

MINUTES OF THE STATE BOARD OF TECHNICAL REGISTRATION

JUNE 1, 1979

The regular quarter-annual meeting of the State Board of Technical Registration was called to order by Mark Edson, Chairman, in Room 126 of the Occupational Licensing Building, 1645 W. Jefferson, Phoenix, Arizona on Friday, June 1, 1979 at 9:15 A.M.

PRESENT

Mark Edson, Chairman
 Rod J. Gomez, Vice-Chairman
 Patrick H. Porcarello, Secretary
 Sam Caruso
 Wayne Earley
 R. A. Jimenez
 Charles E. O'Bannon

ABSENT

John B. Trimble
 Kemper Goodwin

It was moved by Mr. Porcarello and seconded by Mr. Caruso that the minutes of the regular meeting of the Board held on Friday, March 2, 1979 be approved as presented. Motion carried.

REPORT OF THE EXECUTIVE COMMITTEE

No report.

REPORT OF THE RULES AND BY-LAWS COMMITTEE

Reports from the Rules and By-Laws Committee are shown on Minute Pages 4178 - 4181.

It was moved by Dr. O'Bannon and seconded by Dr. Jimenez that a public hearing be scheduled on September 6, 1979 to consider the adoption of a proposed revision to Rule R4-30-01 as shown on Page 4178. Motion carried.

It was moved by Mr. Porcarello and seconded by Mr. Gomez that the By-Laws be changed as shown on Minute Page 4179. Motion carried.

The Committee presented the May 30, 1979 letter from the Attorney General, shown on Page 4180, declining to certify Rule R4-30-29, as submitted for adoption after the public hearing on March 2, 1979. A revision of Rule R4-30-29, deleting the unauthorized age 70 exemption, shown on Page 4181, was recommended for hearing and adoption. It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that a public hearing be scheduled for July 20, 1979 regarding the adoption of this revision. Motion carried.

It was then moved by Dr. O'Bannon and seconded by Mr. Porcarello that the previous motion scheduling a public hearing regarding Rule R4-30-01 be amended to schedule the public hearing for July 20, 1979 also. Motion carried.

REPORT OF THE LEGISLATIVE COMMITTEE

No report.

REPORTS OF THE EVALUATION AND EXAMINATION COMMITTEESARCHITECTURAL COMMITTEE REPORT

The Architectural Evaluation Committee Report was presented by Mr. Porcarello. The report is shown on Minute Pages 4182-4184.

It was moved by Dr. O'Bannon and seconded by Dr. Jimenez that Items 1 - 3 of this report be accepted and implemented by the Board. Motion carried.

PUJADAS, JOSE CRISTOBAL

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that the Board uphold Mr. Pujadas' grade as certified. Motion carried.

HEFT, BARDEN RANDOLPH

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that the Board accept the recommendation of the Committee to uphold the grade as certified.

FAMOUS, GEORGE W.

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that Mr. Famous' grade as certified be upheld by the Board. Motion carried.

MEYER, WALTER BLAINE

Mr. Porcarello made a motion that Mr. Meyer's failing grade be certified by the Board; motion was seconded by Dr. O'Bannon. Motion carried.

DUNCAN, CLARENCE DOUGLAS

Mr. Caruso moved and Mr. Porcarello seconded that Mr. Duncan's failing grade be certified by the Board. Motion carried.

KECK vs. RAND

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that the Board would proceed with its investigation in this matter to determine if sufficient evidence exists to warrant a hearing. Motion carried.

FRYE vs. OTWELL

It was moved by Mr. Porcarello and seconded by Mr. Caruso that this complaint file be closed. Motion carried.

NCARB QUALIFYING TEST - POLICY CHANGE

It was moved by Mr. Porcarello and seconded by Mr. Caruso that, effective immediately, each of the four parts of the NCARB Qualifying Test be graded separately and that each be passed separately with a minimum converted score of 75, with retakes allowed for the failed parts until all parts are passed. Motion passed.

ENGINEERING COMMITTEE REPORT

The Engineering Evaluation Committee Report shown on Minute Pages 4185-4190 was presented by Mr. Caruso.

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that Items 1 - 4 of this report be accepted and implemented by the Board. Motion carried.

DRUMMOND, DAVID THOMAS

It was moved by Mr. Porcarello and seconded by Dr. O'Bannon that Mr. Drummond's request that he be allowed to take part of the exams and to extend other parts be denied. Motion carried.

McKLVEEN, JOHN WILLIAM

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that Dr. McKlveen's request that he be granted an extension be denied, and it was noted that his application was to be denied (see motion on Item 4 above) for failure to complete the requirements of the Board within a reasonable length of time.

EYRICH, HENRY THEODORE

Dr. O'Bannon moved that Mr. Eyrich's request that he be granted registration without examination be denied. Motion was seconded by Mr. Porcarello. Motion carried.

MAST, EDWIN S.

It was moved by Mr. Porcarello and seconded by Dr. O'Bannon that the Executive Director be instructed to write to Rev. Mast, explaining the Board's position and interpretation of the exemptions allowed under A.R.S. 32-144. Motion passed.

QUAY vs. DOBBS

It was moved by Mr. Porcarello and seconded by Dr. O'Bannon that Mr. Dobbs be notified that he should certify to the Board that he is in full compliance to the Code, and that this file be closed. Motion carried.

POLICY

It was moved by Mr. Earley and seconded by Mr. Porcarello that followup certification of compliance of cease and desist action be required prior to closing a complaint file. The motion carried.

TECHNICAL REGISTRATION BOARD vs. ENGINEERING CONCEPTS

Dr. O'Bannon made a motion that this file be closed; motion was seconded by Mr. Porcarello. Motion carried.

NCEE RECORDS PROGRAM

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that the Board accept the new NCEE Council Records Program. Motion passed.

CRITERIA FOR LOCAL EXAM PREPARERS

It was moved by Dr. O'Bannon and seconded by Dr. Jimenez that the Board adopt written guidelines for local exam preparers. Motion carried.

ARIZONA CONSULTING ENGINEERS ASSOCIATION'S 1979-80 DIRECTORY

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that the Board wait for correspondence from ACEA concerning the contents of their directory which might violate the Technical Registration Act. Motion carried.

POLICIES FOR ENGINEERING EVALUATIONS AND EXAMINATIONS

The Committee reviewed the policies suggested by the Executive Director and adopted the recommendations as shown on Minute Pages 4191.

LANDSCAPE ARCHITECTURAL COMMITTEE REPORT

Mr. Earley presented the Landscape Architectural Evaluation Committee Report shown on Minute Pages 4192-4193.

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that Items 1 and 2 of this report be accepted and implemented by the Board. Motion carried.

It was moved by Dr. O'Bannon and seconded by Mr. Gomez that Wayne Earley be appointed as delegate to the following meetings and that out-of-state travel funds be authorized. Motion passed.

Region V	April 12, 1979	San Francisco, California
CLARB	August 24-25, 1979	Kansas City, Missouri

DENIALS (Shown on Minute Pages 4194-4195.)GRANTED LIST (Shown on Minute Pages 4196-4198.)REPORT OF THE PUBLIC INFORMATION COMMITTEE

Chairman Mark Edson presented a memo from the California Board of Architectural Examiners.

Mr. Gomez commented on NCEE's position on the Sunset Law.

REPORT OF THE BUDGET COMMITTEE

No report.

REPORT OF THE EXECUTIVE DIRECTOR

Mr. Cassidy presented the report shown on Minute Pages 4199-4200.

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that Mr. Gomez and Mr. Cassidy be authorized to attend ASPE's annual business meeting in

Casa Grande, Arizona on June 15 and that travel funds be authorized for this purpose. Motion carried.

It was moved by Dr. Jimenez and seconded by Dr. O'Bannon that the Board now go into Executive Session for the purpose of discussing a personnel matter. Motion carried.

The Board returned from Executive Session and resumed regular business at this point.

It was moved by Mr. Porcarello and seconded by Dr. O'Bannon that the Board grant a cost-of-living salary increase to Mr. Cassidy, the Executive Director, with the salary to be as published for Grade 22, Step 5, in the state service salary schedule, fiscal year 1979-80, and to be effective July 1, 1979.

The Chairman directed the Budget Committee to consider a merit increase in salary for the Executive Director.

UNFINISHED BUSINESS None.

ASSISTANT ATTORNEY GENERAL

Mr. Dave Ronald discussed with the Board several subjects regarding Board business: rule changes, complaints, consumer problems, public hearings.

NEW BUSINESS

Revised meeting dates:

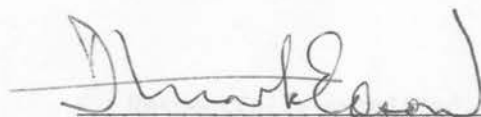
CLARB Annual Meeting	August 24-25, 1979
Regular Board Meeting	September 7, 1979

READING OF COMMUNICATIONS

YANKOVITCH, CATHERINE - Letter shown as Minute Page 4201. The Board referred this letter to the Engineering Evaluation Committee for review and response, with the recommendation that Ms. Yankovitch be requested to supply documentation of her education and experience.

ADJOURNMENT

The meeting adjourned at 2:35 P.M.


F. Mark Edson
Chairman

May 23, 1979


TO: State Board of Technical Registration
FROM: Rules and By-Laws Committee
SUBJECT: HEARING FOR PROPOSED RULES CHANGE

The Rules and By-Laws Committee has prepared this revision to the Rules of the Board, and recommends to the Board that a hearing be scheduled for September 1979 regarding its adoption.

Part 1. Section R4-30-01 Applications, General

- A. (Unchanged)
- B. (Unchanged)
- C. (Unchanged)
- D. (Unchanged)
- E. Engineers desiring registration in more than one branch must submit a separate application for each branch and pay the regular fee with each application. Registration in engineering will be granted in the major branches of engineering included in the college curricula approved by the Board. Major branches of engineering presently recognized by the Board are: Aeronautical, Agricultural, Chemical, Civil, Electrical, Geological, Geophysical, Highway, Industrial, Mechanical, Metallurgical, Mining, Nuclear, Petroleum, Sanitary and Structural.
- F. (Unchanged)
- G. (Unchanged)
- H. (Unchanged)
- I. (Unchanged)
- J. (Unchanged)
- K. (Unchanged)

Respectfully submitted,


John B. Trimble, Chairman

May 10, 1979

TO: State Board of Technical Registration
FROM: Rules and By-Laws Committee
SUBJECT: Proposed Changes to By-Laws

The Rules and By-Laws Committee proposes the following revision to the By-Laws, adopted July 15, 1977:

Section II, 3 (Repeal second sentence beginning, "The Secretary shall sign all claims...")

Respectfully submitted,



John B. Trimble, Chairman



DEPARTMENT OF LAW
OFFICE OF THE
Attorney General
STATE CAPITOL
Phoenix, Arizona 85007

Robert K. Corbin
[REDACTED]
ATTORNEY GENERAL

RECEIVED

May 30, 1979

MAY 30 1979
STATE BOARD TECHNICAL REGISTRATION

Earle M. Cassidy
Arizona State Board of
Technical Registration
1645 West Jefferson, Room 315
Phoenix, Arizona 85007

Re: Amendment to Board of Technical
Registration Rule No. R4-30-29

Dear Mr. Cassidy:

We have reviewed the above-referenced rule approved by the Arizona Board of Technical Registration on March 2, 1979, and have determined that the rule cannot be certified by this office for the following reasons.

There is no statutory authorization that would permit the Board to exempt those persons attaining the age of 70 or older from paying the renewal fee. In addition, the Notice of Proposed Adoption of Rules fails to cite A.R.S. § 32-127 as authority for adoption of the rule. (Although that statute is cited correctly in your letter requesting certification dated April 19, 1979, signed by F. Mark Edson, Chairman of the Arizona State Board of Technical Registration.)

If you have any questions, please contact the Assistant Attorney General assigned to your office.

Very truly yours,

Bob Corbin

BOB CORBIN
Attorney General

BC:DWR:mjb

PROPOSED RULE

Pursuant to A.R.S. §32-106 and A.R.S. §32-127 the State Board of Technical Registration proposes to adopt a rule, similar in substance, terms and conditions to the wording of the following:

Part 1. Section R4-30-29 is amended to read as follows:

R4-30-29. Renewal Fees

For renewal of a certificate of registration, if received prior to December 31st of each year (a certificate of registration not renewed prior to December 31st of each year will accrue a penalty of 10 per cent of each month or fraction of month delinquency), the following fees will be required:

1. Renewal as an Architect, Assayer, Engineer, Geologist, Landscape Architect, or Land Surveyor, ~~ten-~~ SEVENTEEN dollars; ~~except-that persons-age-70-or-older-shall-be-exempt-from the-registration-fee-provided-they-have-been registered-in-Arizona-for-ten-consecutive years-immediately-prior-to-attaining-the-age of-70-or-older-~~
2. In-Training certificates, none.

Continued...

May 15, 1979

TO: State Board of Technical Registration
 FROM: Architectural Evaluation Committee
 SUBJECT: Evaluation of Applicants

The Architectural Evaluation Committee met April 20, 1979 and May 11, 1979 in Phoenix, Arizona with the following members present:

April 20, 1979 F. Mark Edson, Kemper Goodwin
 May 11, 1979 F. Mark Edson

There being a quorum present at all times, the Committee reviewed the following applicants and makes to the Board the recommendations shown regarding registration in Arizona.

- The following applicants, having appeared before the Committee and having satisfied the Committee that they are fully qualified to receive registration in Arizona under ARS 32-123.A and ARS 32-126, are hereby recommended for registration:

Beres, Leslie Robert	79-51	Johnstone, Michael Stephen	79-100
Carey, Thomas G.	79-135	Katz, Herbert Arthur, Jr.	79-279
Carter, Virgil R.	79-148	Kim, Jyun	79-191
Clark, James Ingraham	79-87	Livaudais, Antonio Dugue	79-185
Corelitz, Howard Steven	79-222	Lovstom, Roger P.	79-238
Daggett, Robert Hale	79-81	Olbermann, Theodore C.	78-475
Daly, Kevin J.P.	79-224	O'Leary, Arthur F.	79-164
Dodge, James D.	79-240	Russett, Donald C.	79-192
Druga, Steve John	79-186	Schroeder, Michael C.	79-278
Endo, Edward Hitoshi	79-184	Seminera, Donald M.	78-725
Fly, Patrick Lee	79-98	Sibeck, Leonard G.	78-520
Freeman, Robert Aldwyn	79-136	Szabo, George Thomas Jr.	79-276
Gandenberger, Donald Lee	79-237	Vaporciyan, Harutun	78-617
Goldfeder, Robert Neil	79-301	Wheatley, S. Thomas, III	78-581
Hansen, Walter A.	79-281	Williamson, Thomas Thole	79-146
Houck, Davis Eston	79-187	Woodburn, William More	79-277

- The following applicants, having appeared before the Committee for a personal audience interview, need demonstration of additional evidence of their proficiency (ARS 32-123.B), and it is recommended to the Board that these individuals be held for examinations as indicated:

Becker, John Carl	78-52	Prof. Exam, Section A - Design
Brigham, Stephen King	79-255	Prof. Exam, Section A and Section B
Brooks, John Lynn	78-718	Prof. Exam, Section A and Section B
Brownfield, Ronald Wayne	79-134	Prof. Exam, Section A and Section B

Continued...

Carr, John David	79-256	Prof. Exam, Section A and Section B
Carson, Christopher Warren	79-257	Prof. Exam, Section A and Section B
Case, Phillip D.	79-207	Prof. Exam, Section A
Cortez, Ernest Louis	79-223	Prof. Exam, Section A and Section B
Cox, Brian Douglas	78-565	Prof. Exam, Section B
Dincecco, Robert J.	79-176	Prof. Exam, Section A and Section B
Giachetti, Richard Edward	78-538	Prof. Exam, Section B
Islam, Md. Rafiqul	79-30	Qual. Test and Prof. Exam, Section A and Section B
Kabobel, Gary Alexander	79-233	Prof. Exam, Section A and Section B
Marino, Valentino	78-723	Prof. Exam, Section A and Section B
Miles, Brian Dale	79-142	Prof. Exam, Section A and Section B
Paul, Eric Bradford	79-275	Prof. Exam, Section A and Section B
Rumel, Scott Sorensen	79-180	Prof. Exam, Section A and Section B
Saba, Gary Morris	79-190	Prof. Exam, Section A and Section B
Sachleben, Nicholas	79-234	Prof. Exam, Section A and Section B
Tibsherany, George Fred	78-727	Prof. Exam, Section B

3. The following applicants, having been advised of additional requirements and having failed to respond to correspondence, are hereby recommended to the Board for denial of their applications for failure to complete the requirements of the Board within a reasonable length of time:

Baran, Edward G.	78-549
Bobrow, Michael Lawrence	78-630

4. PUJADAS, JOSE CRISTOBAL, 77-224

In a personal appearance before the Committee, Mr. Pujadas requested reconsideration of the failing grade on the December 1978 exam. The Committee recommends that the Board uphold the grade as certified.

5. HEFT, BARDEN RANDOLPH, 78-270

Mr. Heft personally appeared before the Committee to request reconsideration of the failing grade on his December 1978 exam. The Committee recommends that the Board uphold the grade as certified.

6. FAMOUS, GEORGE W., 77-167

Mr. Famous personally appeared before the Committee to request reconsideration of his failing grade and a personal review of his June 1978 Design exam. The Committee recommends that the Board uphold the grade as certified.

7. MEYER, WALTER BLAINE, 78-542

In his personal appearance before the Committee, Mr. Meyer requested a review of his December 1978 exam. The Committee recommends that the Board certify the failing grade as given.

8. DUNCAN, CLARENCE DOUGLAS, 74-499

Mr. Duncan, in his personal appearance before the Committee, requested reconsideration of his failing grade on the December 1978 exam. The Committee recommends that the Board certify his failing grade as given.

9. KECK vs. RAND

The Committee reviewed this complaint file and recommends that the Board proceed with its investigation to determine if sufficient evidence exists to warrant a hearing.

10. FRYE vs. OTWELL, C79-001

The Committee recommends to the Board that this complaint file be closed, as no formal complaint has been filed.

11. NCARB QUALIFYING TEST - POLICY CHANGE

The Committee recommends, effective immediately, that each of the four parts of the NCARB Qualifying Test be graded separately and that each be passed separately with a minimum converted score of 75, with retakes allowed for the failed parts until all parts are passed.

The Committee recommends to the Board that Items 1 through 11 above be accepted and implemented.

Respectfully submitted,

Kemper Goodwin
Kemper Goodwin, Chairman

May 18, 1979

TO: State Board of Technical Registration
 FROM: Engineering Evaluation Committee
 SUBJECT: EVALUATION OF APPLICANTS

The Engineering Evaluation Committee met April 11-12, 1979 and May 16-17, 1979 in Phoenix, Arizona with the following members present:

April 11	Rod J. Gomez, Sam Caruso
April 12	R. A. Jimenez, Charles E. O'Bannon
May 16	Sam Caruso, John B. Trimble
May 17	Charles E. O'Bannon, R. A. Jimenez

There being a quorum present at all times, the Committee reviewed the following applicants and makes to the Board the recommendations shown regarding registration in Arizona.

- The following applicants, having appeared before the Committee and having satisfied the Committee that they are fully qualified to receive registration in Arizona under A.R.S. 32-123.A and A.R.S. 32-126, are hereby recommended for registration:

CHEMICAL ENGINEERING

Voedisch, Richard Kelly	79-72
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CIVIL ENGINEERING

Anderson, Albert Eugene	79-3
Anderson, Thomas Charles	79-107
Betts, James Allen	79-132
Bronsdon, Lawrence Herbert	79-38
Bunts, John Edward	79-69
Byerly, John R.	79-110
Call, Jack Eugene	79-204
Carter, Gregory S.	79-157
Chamalian, Joseph	79-90
Clement, Clark W.	78-563
Coffman, Leslie Worth	79-269
Cupit, Kenneth Herbert	79-127
Daly, John Joseph, IV	79-67
Dennis, Raymond Lee	79-18
Doell, Charles Joseph	79-108
Dolan, William Richard	79-125
Dueker, Leonard Leroy	79-73
Edgel, William Reed	79-248
Elack, David George	79-212
Fast, Norman Leslie	79-40
Fossnight, Neil Douglas	79-128
Fox, John Richard	79-209
Gass, Alfred Allen	79-112

CIVIL ENGINEERING contd

Goulet, James Francis	79-197
Greydanus, Herbert W.	79-250
Hajek, Jaromir Zdenek	79-149
Hanson, Douglas Iver	78-586
Henri, Francis William	79-268
Hetzel, Milton S., Jr.	79-267
Hoyt, Cecil M.	79-113
Hunter, John Michael	79-173
Kellogg, Richard Murphy, Jr.	79-152
Kinney, Brian Bartholomew	79-249
Knopf, Gedge William, Jr.	79-153
Leary, Guy H.	79-46
Lewanski, James J.	79-93
Lucas, Frank B.	78-569
Mason, Leon Spencer	78-559
Matthews, Phillip Kenneth	79-41
Mead, Charles Julian	78-671
Meier, Curtis	79-70
Mikolas, Myles Keith	79-160
Miller, Richard Harrison	79-131
Miller, Robert Eugene	79-270
Murphy, Michael Rives	78-660
Perna, Daniel V.	79-105
Pharmer, William Delore	78-681
Phelan, John Gerald	78-676
Rashidi, Abdul Saboor	78-707

CIVIL ENGINEERING-contd

Reed, Montford Lee	79-17
Reese, Edward Franklin, Jr.	79-231
Ronnerud, Philip Allen	79-168
Sagrillo, Quinton "J"	79-217
Shlemon, Edward K.	79-216
Sowby, Stephen Ellis	78-619
Theroux, Carl Joseph	79-92
Traux, Charles Collins	79-219
Tucker, Clyde Winford	79-111
Van DeBogart, Roy W.	79-218
Weiss, Donald Richard	79-39
Welsh, John David	79-115
Wensloff, Gerald E.	79-251
White, James Gordon	79-271

ELECTRICAL ENGINEERING

Baldini, Louis J.	79-235
Fasnacht, Donald Butler	79-76
Heyman, Arthur Stephen	79-56
Seigel, Jerome W.	79-79
Sorenson, Steven Eric	78-668
Vorgias, Zacharias	79-145
Twardy, William Raymond	79-163

MECHANICAL ENGINEERING

Barrett, Ronald Eugene	79-82
Briley, Gary Lee	79-174
Gallagher, John Thomas	79-161
Gendler, Gershon Leslie	78-567
Kelly, Elbert E.	79-139
Kerr, John Russell	79-25
Larsen, Thomas Herbert	79-78
Parsley, Donald Lee	79-10
Pennington, Bruce R.	79-97
Popov, Theodore Robert	78-649
Walker, Gerald Bruce	79-182

METALLURGICAL ENGINEERING

Worth, Walter Leslie	79-151
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MINING ENGINEERING

Kyle, John Ira	79-165
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SANITARY ENGINEERING

Andrews, Thomas L.	79-83
Wahbeh, Valery N.	79-43

STRUCTURAL ENGINEERING

Call, Jack Eugene	79-205
Kamei, Tom Toshihiko	79-247
Nelson, Ronald Frederick	79-42
Rueb, Harold David	78-646

LAND SURVEYING

Bennie, Roger Eugene	79-214
Chichester, Robert Allen	79-203
Dennis, Raymond Lee	79-19
Garlinger, John Jackson	79-211
Junkar, Frank Eugene	79-199
Langley, Cleon L.	78-711
Pharmer, William Delore	78-680
Sisneros, Joe M.	79-155
Skidmore, David Allen	79-272
Worth, Walter Leslie	79-150

ENGINEER-IN-TRAINING

Alvarez, Joseph John	77-171
Barnes, John Philip	78-208
Barnes, John S.	78-209
Brathovde, Robert Dean	77-139
Cropper, Richard Denton	78-108
Cunningham, Thomas Glenn, Jr.	78-214
DeCorse, Gretchen L.	78-155
Falletta, Robert	78-220
Giesaking, Kurt Allen	78-91
Gill, Edward Joseph	78-104
Gilliss, Mark Brian	78-48
Goode, Glenn Amos, Jr.	76-84
Hafker, Jon Stephen	78-223
Johnson, Karl P.	78-231
Johnson, Mark Howard	78-232
Laughlin, James T., Jr.	78-239
Lyon, Charles Crosby	78-242
Mahoney, Thomas Patrick	77-144
Mills, Barbara Louise	78-182
Passarelli, Raymond James	77-132
Rudy, Thomas	78-67
Rustad, Clifford I.	78-124
Sherry, Robert William	78-252
Spinner, Scott Lee	78-196
Tang, Rodney L.	78-97
Trimble, Thomas Hollie	78-74
Turner, Paul Wesley	78-197
Voight, David Robert	78-95
Walters, David Alan	78-142
Wheelis, Bennie G., Jr.	78-266
Winn, James Little	78-189
Wong, Yan Chun	78-198
Young, David Frank	78-76

2. The following applicants, having appeared before the Committee for a personal audience interview, need demonstration of additional evidence of their proficiency (A.R.S. 32-123.B), and it is recommended to the Board that these individuals be held for examinations as indicated:

CHEMICAL ENGINEERING

Goldstein, Kenneth Martin	78-658	Parts 1,2,3,4
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CIVIL ENGINEERING

Brenner, Ronald Lloyd	79-45	Parts 1,2,3,4
Brozek, Christoph	79-198	Parts 1,2,3,4
Grandy, Gordon Lee	79-167	Parts 3, 4
Haire, Steven Alexander	79-64	Parts 3, 4
Lawrence, Becky Sayre	78-699	Parts 3, 4
Leimkuehler, William H.	78-633	Parts 3, 4
Martini, Albert Dominic	79-66	Parts 3, 4
Orr, Thomas Randol	78-698	Parts 3, 4
Seal, Virgil Larry	79-102	Parts 3, 4
Smith, Richard Kirk	79-47	Parts 3, 4

ELECTRICAL ENGINEERING

Keefer, Lyndon Merritt	79-138	Parts 1,2,3,4
Liebow, Will	79-86	Parts 3, 4

GEOLOGICAL ENGINEERING

Taylor, Johnnie Dale	79-104	Parts 3, 4
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HIGHWAY ENGINEERING

Tripp, Glen Dewayne	79-206	Parts 1,2,3,4
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MECHANICAL ENGINEERING

Barnes, Phillip H.	79-23	Parts 3, 4
Pierson, Donald Louis	79-144	Parts 1,2,3,4

METALLURGICAL ENGINEERING

Dugger, Robert Earl	79-133	Parts 1,2,3,4
Keane, Joseph Michael	79-103	Parts 1,2,3,4

MINING ENGINEERING

Daemen, Jaak Joseph K.	79-194	Parts 3, 4
Khunkhun, Kuldip Singh	79-129	Parts 1,2,3,4

SANITARY ENGINEERING

Luiz, Francis Michael	79-114	Parts 1, 2
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STRUCTURAL ENGINEERING

Bunts, John Edward	79-68	Parts 5, 6
Troyer, Raymond Daniel	78-458	Parts 5, 6

continued...

GEOLOGY

Weeks, Ralph Edward	79-116	Parts 1,2,3,4
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LAND SURVEYING

Collon, Patrick John	79-21	Parts 1,2,3,4
Hall, David Bruce	79-119	Parts 1,2,3,4
Kreamer, Jeffrey Glenn	79-154	Parts 1,2,3,4
Moore, Michael Everett	79-121	Parts 1,2,3,4
Murphy, William Joseph	79-126	Parts 1,2,3,4
Prince, Bob N.	79-200	Parts 1,2,3,4
Putt, David L.	79-117	Parts 1,2,3,4
Shelest, Timothy Charles	78-174	Parts 1,2,3,4
Stairhime, Walter Lee	79-124	Parts 1,2,3,4
Vaughn, Jay Newton	79-89	Parts 1,2,3,4
Wier, Robin Remington	79-91	Parts 1,2,3,4

3. The following applicants appeared before the Committee, and it was determined that their applications should be denied for lack of experience of a character satisfactory to the Board under A.R.S. 32-122.A, with a refund as shown:

Fischer, Christine Lynn	79-62	\$10.00
Sagar, Budhi	79-120	\$10.00

4. The following applicants, having been advised of additional requirements for registration and having failed to respond to correspondence, are hereby recommended to the Board for denial of their applications for failure to complete the requirements of the Board within a reasonable length of time:

Bagby, Philip Stephen	78-4	Mechanical Engineer
Boucher, Herman G.	78-64	Mechanical Engineer
Brown, Larry Leroy	76-23	Mechanical Engineer
Chittenden, Rolland Royce	78-240	Electrical Engineer
Drucker, Emil	78-107	Civil Engineer
Freeman, Gilbert N.	69-198	Geologist
Gil de la Torre, Richardo M.	78-560	Chemical Engineer
Hemmeter, Bernard Henry R.	78-27	Structural Engineer
Hood, Douglas Eugene	74-373	Civil Engineer
Kensinger, Richard James	74-221	Electrical Engineer
Kuivila, Richard Paul	77-629	Electrical Engineer
McKlveen, John William	77-130	Nuclear Engineer
Paavola, Michael Eugene	78-6	Civil Engineer
Palmer, Randolph Edwards	78-330	Civil Engineer
Robb, Robert Michael	74-655	Mining Engineer
Rosser, Paul Calvin	78-375	Electrical Engineer
Singh, Hari Narain	78-236	Structural Engineer
Spinks, John Lee	78-104	Mechanical Engineer
Wong, Jimmy	74-444	Civil Engineer

continued...

ENGINEER-IN-TRAINING - denied

Appelin, Barbara Louise	78-121
Banaie, Mohammad Sadegh	78-69
Disbrow, David A.	78-45
Gerlach, James W.	77-176
Griffith, Ruben Donald	78-79
Hartman, Diane J.	77-173
Huerta, Olaff G.	78-99
Lewis, Geoffrey A.	78-100
Luke, Dennis M.	78-56
Mallec, Dann L.	78-22
Oberndorfer, Alan James	78-23
Perdok, Bill	78-87
Schaller, Curil David	78-136
Spencer, Gerald William	78-145
Teets, Jon W.	76-124
Travis, Richard Charles	78-12
Wise, Ann E.	78-125

5. DRUMMOND, DAVID THOMAS, 77-655, Mechanical Engineer
Mr. Drummond requested that he be allowed to take part of the exams and to extend other parts. The Committee recommends that this request be denied.
6. McKlveen, JOHN WILLIAM, 77-130, Nuclear Engineer
Dr. McKlveen again advised that his schedule will not permit him to take the required exams and requested that he be granted another extension. The Committee recommends that this request be denied.
7. EYRICH, HENRY THEODORE, 78-453, Geologist
The Committee reviewed Mr. Eyrich's request that he be granted registration without examination and recommends to the Board that this request be denied.
8. MAST, EDWIN S.
Reverend Mast requested an interpretation of the exemptions allowed under ARS 32-144. The Committee refers this matter to the full Board for consideration.
9. COMPLAINT -- QUAY vs. DOBBS
The Committee reviewed this complaint file and recommends that the file be closed.
10. COMPLAINT -- TECHNICAL REGISTRATION BOARD vs. ENGINEERING CONCEPTS
The Committee recommends to the Board that this complaint file be closed.
11. NCEE RECORDS PROGRAM
The Committee reviewed the sample of a verified engineering record under the new records program and recommends that the Board accept this new NCEE Council Records Program.

12. CRITERIA FOR LOCAL EXAM PREPARERS

The Committee recommends that the Board adopt written guidelines for local exam preparers.

13. ARIZONA CONSULTING ENGINEERS ASSOCIATION'S 1979-80 DIRECTORY

The Committee recommends that the Board wait for correspondence from Arizona Consulting Engineers Association concerning the contents of this directory which might violate the Technical Registration Act.

14. POLICIES FOR ENGINEERING EVALUATIONS AND EXAMINATIONS

The Committee reviewed the policies suggested by the Executive Director and makes the recommendations outlined in the attached memorandum.

Respectfully submitted,

Sam Caruso
Sam Caruso, Chairman

May 17, 1979

TO: All Board Members
FROM: Engineering Evaluation Committee
SUBJECT: Miscellaneous Policies Proposed for Engineering Evaluations
and Examinations

1. Education credit for Engineering Technology degrees.

CURRENT POLICY: Education credit is determined after a review of each transcript during evaluation. Credit of 2½ or 3 years seems to be normal. Four years' credit is not given.

RECOMMENDATION: A 4-year technology degree should be given 2½ year's credit, maximum. Non-ECPD technology degrees would be evaluated by the Committee.

2. Eligibility for E.I.T. exams.

CURRENT POLICY: ECPD graduates are eligible upon application. ECPD final year students are eligible upon application (considered to have 3 years of satisfactory experience). Other college graduates are eligible when education and work experience total 4 satisfactory years in opinion of Committee. Experience-only candidates are eligible when work experience totals 4 satisfactory years in opinion of Committee.

RECOMMENDATION:

- a. Allow senior engineering students from U. of A., A.S.U. and N.A.U. to take E.I.T. exams.
- b. Allow senior engineering technology students from A.S.U. and N.A.U. to take E.I.T. exams.
- c. Allow all other applicants to take E.I.T. exams after three years of experience satisfactory to the Board.
- d. E.I.T. certificates issued only after passing E.I.T. exam and upon completion of four years of experience satisfactory to the Board.

3. Evaluation of teaching experience.

CURRENT POLICY: A maximum of 5 years of engineering education and/or classroom teaching is allowed as satisfactory experience. Research or consulting experience by a teacher is considered as satisfactory.

RECOMMENDATION: Consulting experience and research experience (not required by a degree program) is satisfactory.

4. Evaluation of construction and surveying experience.

CURRENT POLICY: Some construction and surveying experience is allowed for civil registration, but not too much.

RECOMMENDATION: One year of surveying experience should be maximum allowed for civil registration. Engineering construction with some field and office design should be allowed half-time credit. Residential or small scale construction or craftsman experience is not satisfactory.

May 15, 1979

TO: State Board of Technical Registration
 FROM: Landscape Architectural Evaluation Committee
 SUBJECT: Evaluation of Applicants

The Landscape Architectural Evaluation Committee met April 11, 1979 and May 11, 1979 in Phoenix, Arizona with the following members present:

April 11, 1979 Wayne O. Earley, Rod J. Gomez, Sam Caruso
 May 11, 1979 Wayne O. Earley, F. Mark Edson

There being a quorum present at all times, the Committee reviewed the following applicants and makes to the Board the recommendations shown regarding registration in Arizona.

1. The following applicant, having appeared before the Committee and having satisfied the Committee that he is fully qualified to receive registration in Arizona under ARS 32-123.A and ARS 32-126, is hereby recommended for registration:
 Moss, Lawrence R. 78-378
2. The following applicants, having appeared before the Committee for a personal audience interview, need demonstration of additional evidence of their proficiency (ARS 32-123.B), and it is recommended to the Board that these individuals be held for examinations as indicated:

Acuna, Steve	79-253	Parts A - D
Biasini, Stephen James	79-254	Parts A - D
Bywater, Colon Glen	79-258	Parts A - D
Dahmen, Robert Claude	79-175	Parts A - D
Jokerst, Dennis Edward	79-137	Parts B & D
Jones, Gordon Wayne	79-259	Parts B & D
Krieg, John Christopher	79-140	Parts A & D
Kyle, Nancy E.	79-162	Parts B & D
Lara, Louis, Jr.	78-631	Parts A - D
Littlefield, Ted Allen	79-141	Parts A - D
Martino, Steve Lawrence	79-273	Parts B & D
McConaghie, Darryl Wayne	79-188	Parts A - D
Presto, Richard Merrills	79-308	Parts B & D

continued...

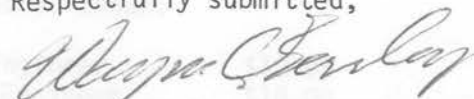
CLARB CONVENTION

The Committee nominates a delegate to attend the conventions shown and recommends that out-of-state travel funds be authorized:

REGION V April 14, 1979 Wayne O. Earley
 San Francisco, Calif.

CLARB August 24-25, 1979 Wayne O. Earley
 Kansas City, Missouri

Respectfully submitted,



Wayne O. Earley, Chairman

Boyer, William Stephen	75-4	Mechanical Engineer
Boyer, Herman G.	75-54	Mechanical Engineer
Brown, Larry Leroy	75-23	Mechanical Engineer
Christensen, Neiland Royce	75-240	Electrical Engineer
Crisher, Bill	75-107	Civil Engineer
Dawson, Gilbert W.	65-196	Geologist
De la Torre, Ricardo Mauro	75-528	Chemical Engineer
Dickson, Bernard Harry Robert	75-27	Structural Engineer
Dodd, Douglas Eugene	74-373	Civil Engineer
Dunham, Richard James	74-221	Electrical Engineer
Ehrlich, Richard Paul	77-229	Electrical Engineer
Falkner, John William	77-139	Nuclear Engineer
Favale, Michael Eugene	75-6	Civil Engineer
Fisher, Elizabeth Edwards	75-230	Civil Engineer
Ford, Robert Michael	74-655	Mining Engineer
Gordon, Paul Calvin	75-175	Electrical Engineer
Graham, Carl Gerald	75-238	Structural Engineer
Graham, John Lee	75-104	Mechanical Engineer
Hugh, Jimmy	74-444	Civil Engineer
Kirby, Edward G.	75-549	Architect
Kirby, Michael Lawrence	75-630	Architect

Continued

DENIALS

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that the following applicants be denied with neither prejudice nor refund at their own request:

Harpool, James Edward	79-261, Architect
Nassi, Richard B.	78-576, Civil Engineer
Pascoe, Morton Gerrard	78-188, Structural Engineer
Pillorge, George John	78-579, Architect
Shemie, Milo	79-71, Civil Engineer
St.Jeor, LeRoy Afton	78-285, Highway Engineer

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that the following applicants be denied for lack of experience of a character satisfactory to the Board under A.R.S. 32-122.A, with a refund as shown:

Fischer, Christine Lynn	79-62, Civil Engineer	\$10.00
Sagar, Budhi	79-120, Civil Engineer	\$10.00

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that the following applicants be denied for failure to complete the requirements of the Board within a reasonable length of time:

Bagby, Philip Stephan	78-4	Mechanical Engineer
Boucher, Herman G.	78-64	Mechanical Engineer
Brown, Larry Leroy	76-23	Mechanical Engineer
Chittenden, Rolland Royce	78-240	Electrical Engineer
Drucker, Emil	78-107	Civil Engineer
Freeman, Gilbert N.	69-198	Geologist
Gil de la Torre, Ricardo Mauro	78-560	Chemical Engineer
Hemmeter, Bernard Henry Robert	78-27	Structural Engineer
Hood, Douglas Eugene	74-373	Civil Engineer
Kensinger, Richard James	74-221	Electrical Engineer
Kuivila, Richard Paul	77-629	Electrical Engineer
McKlveen, John William	77-130	Nuclear Engineer
Paavola, Michael Eugene	78-6	Civil Engineer
Palmer, Randolph Edwards	78-330	Civil Engineer
Robb, Robert Michael	74-655	Mining Engineer
Rosser, Paul Calvin	78-375	Electrical Engineer
Singh, Hari Narain	78-236	Structural Engineer
Spinks, John Lee	78-104	Mechanical Engineer
Wong, Jimmy	74-444	Civil Engineer
Baran, Edward G.	78-549	Architect
Bobrow, Michael Lawrence	78-630	Architect

continued...

DENIALS - contd

Engineer-in-Training

Appelin, Barbara Louise	78-121
Banaie, Mohammad Sadegh	78-69
Disbrow, David A.	78-45
Gerlach, James W.	77-176
Griffith, Ruben Donald	78-79
Hartman, Diane J.	77-173
Huerta, Olaff G.	78-99
Lewis, Geoffrey A.	78-100
Luke, Dennis M.	78-56
Mallec, Dann L.	78-22
Oberndorfer, Alan James	78-23
Perdok, Bill	78-87
Schaller, Curil David	78-136
Spencer, Gerald William	78-145
Teets, Jon W.	76-124
Travis, Richard Charles	78-12
Wise, Ann E.	78-125

... that the following ...
 ... persons ...
 ...
 ...

DAVID ENGINEERS

Anderson, Albert Eugene	12358
Anderson, Thomas Charles	12359
Betts, James Allan	12360
Brumby, Leonard Herbert	12361
Buntz, John Edward	12362
Burley, John S.	12363
Coll, Jack Eugene	12364
Curtis, Gregory S.	12365
Chambliss, Joseph	12366
Glavest, Clark W.	12367
Gorman, Leslie Worth	12368
Gulft, Kenneth Herbert	12369
Haly, John Joseph, Jr.	12370
Harris, Raymond Lee	12371
Hull, Charles Joseph	12372
Hulan, William Richard	12373
Hunter, Leonard Leroy	12374
Edgel, William Wood	12375
Clark, David George	12376
Fest, Norman Leslie	12377
Fournight, Neil Douglas	12378
Fox, John Hicoria	12379
Gask, Alfred Allen	12380
Gulley, James Francis	12381
Grydenes, Swaine W.	12382
Hajek, Jarmir Daniel	12383
Hansen, Douglas Iver	12384
Harris, Francis William	12385
Hartsh, Milton S. Jr.	12386
Hart, Cecil R.	12387
Hutton, John Michael	12388
Kellom, Richard Arthur, Jr.	12389
Kliney, Brian Bartholomew	12390
Kroft, Gedge William Jr.	12391

Continued...

It was moved by Mr. Porcarello and seconded by Dr. Jimenez that the following applicants for professional registration, having completed the personal audience and all other requirements of this Board, be granted registration and assigned the registration numbers as indicated. Motion carried.

ARCHITECTURE

Beres, Leslie Robert	12324
Carey, Thomas G.	12325
Carter, Virgil R.	12326
Clark, James Ingraham	12327
Corelitz, Howard Steven	12328
Daggett, Robert Hale	12329
Daly, Kevin J. P.	12330
Dodge, James D.	12331
Druga, Steve John	12332
Endo, Edward Hitoshi	12333
Fly, Patrick Lee	12334
Freeman, Robert Aldwyn	12335
Gandenberger, Donald Lee	12336
Goldfeder, Robert Neil	12337
Hansen, Walter A.	12338
Houck, David Eston	12339
Johnstone, Michael Stephen	12340
Katz, Herbert Arthur, Jr.	12341
Kim, Kyun	12342
Livaudais, Antonio Dugue	12343
Lovstrom, Roger P.	12344
Olbermann, Theodore C.	12345
O'Leary, Arthur F.	12346
Russett, Donald C.	12347
Schroeder, Michael C.	12348
Seminera, Donald M.	12349
Sibeck, Leonard G.	12350
Szabo, George Thomas, Jr.	12351
Vaporciyan, Harutun	12352
Wheatley, S. Thomas, III	12353
Williamson, Thomas Thole	12354
Woodburn, William More	12355

LANDSCAPE ARCHITECTURE

Moss, Lawrence R.	12356
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CHEMICAL ENGINEERING

Voedisch, Richard Kelly	12357
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CIVIL ENGINEERING

Anderson, Albert Eugene	12358
Anderson, Thomas Charles	12359
Betts, James Allen	12360
Bronsdon, Lawrence Herbert	12361
Bunts, John Edward	12362
Byerly, John R.	12363
Call, Jack Eugene	12364
Carter, Gregory S.	12365
Chamalian, Joseph	12366
Clement, Clark W.	12367
Coffman, Leslie Worth	12368
Cupit, Kenneth Herbert	12369
Daly, John Joseph, IV	12370
Dennis, Raymond Lee	12371
Doell, Charles Joseph	12372
Dolan, William Richard	12373
Dueker, Leonard Leroy	12374
Edgel, William Reed	12375
Elack, David George	12376
Fast, Norman Leslie	12377
Fossnight, Neil Douglas	12378
Fox, John Richard	12379
Gass, Alfred Allen	12380
Goulet, James Francis	12381
Greydanus, Herbert W.	12382
Hajek, Jaromir Zdenek	12383
Hanson, Douglas Iver	12384
Henri, Francis William	12385
Hetzel, Milton S. Jr.	12386
Hoyt, Cecil M.	12387
Hunter, John Michael	12388
Kellogg, Richard Murphy, Jr.	12389
Kinney, Brian Bartholomew	12390
Knopf, Gedge William Jr.	12391

continued...

CIVIL ENGINEERING contd

Leary, Guy H.	12392
Lewanski, James J.	12393
Lucas, Frank B.	12394
Mason, Leon Spencer	12395
Matthews, Phillip Kenneth	12396
Mead, Charles Julian	12397

Meier, Curtis	12398
Mikolas, Myles Keith	12399
Miller, Richard Harrison	12400
Miller, Robert Eugene	12401
Murphy, Michael Rives	12402
Perna, Daniel V.	12403

Pharmer, William Delore	12404
Phelan, John Gerald	12405
Rashidi, Abdul Saboor	12406
Reed, Montford Lee	12407

Reese, Edward Franklin, Jr.	12408
Ronnerud, Philip Allen	12409
Sagrillo, Quinton "J"	12410
Shlemon, Edwin K.	12411

Sowby, Stephen Ellis	12412
Theroux, Carl Joseph	12413
Truax, Charles Collins	12414
Tucker, Clyde Winford	12415

Van DeBogart, Roy W.	12416
Weiss, Donald Richard	12417
Welsh, John David	12418
Wensloff, Gerald E.	12419
White, James Gordon	12420

ELECTRICAL ENGINEERING

Baldini, Louis J.	12421
Fasnacht, Donald Butler	12422
Heyman, Arthur Stephen	12423
Seigel, Jerome W.	12424
Sorenson, Steven Eric	12425
Vorgias, Zacharias	12426
Twardy, William Raymond	12427

MECHANICAL ENGINEERING

Barrett, Ronald Eugene	12428
Briley, Gary Lee	12429
Gallagher, John Thomas	12430
Gendler, Gershon Leslie	12431
Kelly, Elbert E.	12432

Kerr, John Russell	12433
Larsen, Thomas Herbert	12434
Parsley, Donald Lee	12435
Pennington, Bruce R.	12436
Popov, Theodore Robert	12437
Walker, Gerald Bruce	12438

METALLURGICAL ENGINEERING

Worth, Walter Leslie	12439
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MINING ENGINEERING

Kyle, John Ira	12440
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SANITARY ENGINEERING

Andrews, Thomas L.	12441
Wahbeh, Valery N.	12442

STRUCTURAL ENGINEERING

Call, Jack Eugene	12443
Kamei, Tom Toshihiko	12444
Nelson, Ronald Frederick	12445
Rueb, Harold David	12446

LAND SURVEYING

Bennie, Roger Eugene	12447
Chichester, Robert Allen	12448
Dennis, Raymond Lee	12449
Garlinger, John Jackson	12450
Junkar, Frank Eugene	12451
Langley, Cleon L.	12452
Pharmer, William Delore	12453
Sisneros, Joe M.	12454
Skidmore, David Allen	12455
Worth, Walter Leslie	12456

It was moved by Mr. Porcarello and seconded by Dr. Jimenez that the following applicants for in-training registration, having satisfactorily completed the written examination and all other requirements of the Board, be granted in-training registration and assigned the in-training registration numbers as indicated. Motion carried.

ENGINEER-IN-TRAINING

Alvarez, Joseph John	2064
Barnes, John Philip	2065
Barnes, John S.	2066
Brathovde, Robert Dean	2067
Cropper, Richard Denton	2068
Cunningham, Thomas Glenn, Jr.	2069
DeCorse, Gretchen L.	2070
Falletta, Robert	2071
Giesaking, Kurt Allen	2072
Gill, Edward Joseph	2073
Gilliss, Mark Brian	2074
Goode, Glenn Amos, Jr.	2075
Hafker, Jon Stephen	2076
Johnson, Karl P.	2077
Johnson, Mark Howard	2078
Laughlin, James T., Jr.	2079
Lyon, Charles Crosby	2080
Mahoney, Thomas Patrick	2081
Mills, Barbara Louise	2082
Passarelli, Raymond James	2083
Rudy, Thomas	2084
Rustad, Clifford I.	2085
Sherry, Robert William	2086
Spinner, Scott Lee	2087
Tang, Rodney L.	2088
Trimble, Thomas Hollie	2089
Turner, Paul Wesley	2090
Voight, David Robert	2091
Walters, David Alan	2092
Wheelis, Bennie G., Jr.	2093
Winn, James Little	2094
Wong, Yan Chun	2095
Young, David Frank	2096

REPORT OF THE EXECUTIVE DIRECTOR

May 23, 1979

One statute change was passed in the recent legislative session affecting the Technical Registration Act. It permits a non-registrant to design water or waste water systems costing not more than \$2500.

A draft of the Auditor General's Performance Audit Report is now in preparation, and a copy will be submitted to the Board in the near future. The Board will have thirty days to submit written comments to be included in the report.

Preparation of the 1980-81 budget will begin shortly with submittals required by August 1 and September 1. Draft copies of the budget will go to the Budget Committee in July for their comments. The Director recommends one additional employee be added at a level above the staff assistants and below the administrative secretary in order to supervise and perform the tasks involved in the complete application and examination processes. This will allow the Director to increase his efforts in handling complaints and in overall improvement of staff service to the Board, applicants, registrants and the public. Expenses and income will increase somewhat to accommodate heavier work load and inflation.

The quarterly newsletter issued after each Board meeting is being mailed to about sixty newspapers, societies and other interested parties. The list of new registrants accompanies the newsletter. Some recipients have asked that more complete summaries of the complaint cases acted upon by the Board be included in the newsletter.

The Arizona Society of Professional Engineers has asked that a report of Board activities be made to their members at their annual business meeting in Casa Grande on June 15 by a Board member and/or the Director. They would like this to be a regular part of their business meeting.

Respectfully submitted,



Earle M. Cassidy

BOARD OF TECHNICAL REGISTRATION

CASH FLOW REPORT

APRIL 30, 1979

Balance as of July 1, 1978	\$ 94,747.68
Total Receipts, Year-to-Date	115,772.32
Total Expenditures, Year-to-Date	(100,615.51)
Outstanding Encumbrances	(13,230.85)
Balance as of April 30, 1979	<u>\$ 96,673.64</u>

Lump Sum Appropriation FY 1978-79	\$167,000.00
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<u>RECEIPTS</u>	<u>APRIL</u>	<u>YEAR-TO-DATE</u>
Application Fees & Misc. Fees	\$2,001.09	\$ 28,738.00
Renewal Fees & Penalties	308.60	80,297.90
Examination Fees	145.00	19,600.00
Less 10% to General Fund	(245.46)	(12,863.57)
TOTAL RECEIPTS	<u>\$2,209.23</u>	<u>\$115,772.32</u>

<u>EXPENDITURES</u>		
Personal Services	\$4,918.60	\$ 46,064.79
Employer-Related	926.04	8,577.30
Professional Services	300.00	11,225.55
Travel, In-State	181.60	2,282.35
Travel, Out-of-State	838.71	2,225.75
Data Processing	24.79	1,571.32
Maintenance and Repairs	155.72	452.22
Refunds	-0-	111.00
Revolving Fund	-0-	1,000.00
Rent and Space	4,051.50	8,663.00
Office Supplies	452.76	4,224.86
Telephone	198.91	1,477.18
Copier Rental	185.00	1,190.02
Insurance	-0-	335.00
Postage	-0-	5,212.39
Printing	-0-	804.24
Subscriptions	-0-	133.20
Advertising	-0-	10.50
Freight	-0-	124.49
Equipment	1,223.40	1,966.10
Organizational Dues	-0-	2,964.25
TOTAL EXPENDITURES	<u>\$13,457.03</u>	<u>\$100,615.51</u>

68 Madrid Plaza
Mesa, AZ 85201
May 5, 1979

RECEIVED
MAY 8 1979
STATE BOARD TECHNICAL EDUCATION

Dear Mr. Cassidy,

I should like to request a reconsideration by the Board of the ruling by the Evaluation Committee concerning the amount credited by my education toward full registration requirements. I do not feel that I need an audience before the full Board; however, if you think that an audience is necessary, I would be willing to appear.

As I understood you, an appeal would result in having my transcript analyzed by a representative of one of the state colleges. Since the transcript alone does not completely clarify my geology background, I should like to offer the following explanation to aid whoever will judge it. The introductory physical geology course (3 sem. hrs at U of IA) is missing because it was taken under an NSF summer science program; as I was still a high school student at the time, no credit was received. The two geology courses that are listed as being special projects during 73-74 were Mineralogy and Petrology. And finally, I was taking courses toward the equivalent of a B.A. in geology with specialization in geophysics; this was an option at the University of Iowa.

If my educational background is found to be lacking, I would greatly appreciate your informing me as to the particular courses that would remedy the situation.

Thank you for your time.

Yours truly,

Catherine Gankovich

Catherine Gankovich

App 78-589

MINUTES OF THE STATE BOARD OF TECHNICAL REGISTRATION
JULY 20, 1979

A special meeting of the State Board of Technical Registration was called to order by Mark Edson, Chairman, in Room 126 of the Occupational Licensing Building, 1645 W. Jefferson, Phoenix, Arizona on Friday, July 20, 1979 at 9:45 A.M.

PRESENT

F. Mark Edson, Chairman
Sam Caruso
Wayne O. Earley
Kemper Goodwin
Rudolf A. Jimenez
Charles E. O'Bannon

ABSENT

Rod J. Gomez, Vice Chairman
Patrick H. Porcarello, Secretary
John B. Trimble

Those present constituted a quorum.

ENGINEERING EXAMINATION COMMITTEE REPORT

The Engineering Examination Committee Report of the meeting held July 12, 1979 was presented by Mr. Caruso. The report is shown on Minute Pages 4204-4213.

It was moved by Mr. Caruso and seconded by Dr. O'Bannon that the Engineering Examination Committee Report be accepted and implemented by the Board and that the grades shown on the report be certified. Motion carried.

DENIALS AND WITHDRAWALS

It was moved by Dr. Jimenez and seconded by Dr. O'Bannon that the following applicant be denied registration with neither prejudice nor refund at his own request:

Engineer-in-Training, 78-175 Binick, James

REGISTRATION GRANTED (Shown on Minute Pages 4214-4216)

REPORT OF THE RULES AND BY-LAWS COMMITTEE

The public hearing for the adoption of the proposed change to Rule R4-30-01, Applications, General was held at 9:50 A.M. There were no persons present to present statements, arguments or contentions, and there was no correspondence received regarding this proposed change in the rules. The public hearing was closed by a motion from Dr. Jimenez, seconded by Dr. O'Bannon and passed by the Board.

It was moved by Dr. Jimenez and seconded by Dr. O'Bannon that Rule R4-30-01, Applications, General, as shown on Minute Page 4217, be adopted subject to certification by the Attorney General. Motion carried.

The public hearing for the adoption of the proposed change to Rule R4-30-29, Renewal Fees was held at 9:55 A.M. There were no persons present to present statements, arguments or contentions, and there was no correspondence received regarding this proposed change in the rules. Mr. Goodwin stated that it was his opinion after discussion with the Executive Director that the amount of the renewal fee should be reduced to \$15 per year. Dr. O'Bannon made a motion that the public hearing be closed; this motion was seconded by Mr. Caruso and passed by the Board.

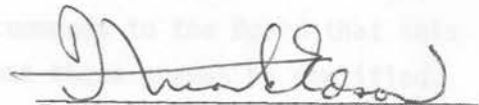
Dr. Jimenez moved that the renewal fee in proposed rule R4-30-29 be reduced from seventeen dollars to fifteen dollars and that Rule R4-30-29 Renewal Fees, as shown on Minute Page 4218 be adopted subject to certification by the Attorney General. Mr. Earley seconded this motion; motion carried.

NEW BUSINESS

It was moved by Mr. Earley and seconded by Dr. O'Bannon that the Board retain a consultant to gather and assimilate information to develop a positional report and model law for utilization during the Sunset Review, the cost of which is not to exceed \$5,000. Motion carried.

ADJOURNMENT

There being no further business before the Board at this time, Dr. O'Bannon moved to adjourn the meeting at 10:15 A.M. Mr. Goodwin seconded the motion; motion carried.


F. Mark Edson
Chairman

Respectfully submitted,

San Diego
Chairman

July 16, 1979

TO: State Board of Technical Registration
FROM: Engineering Examination Committee

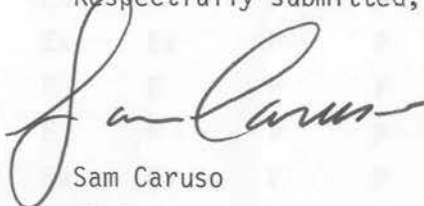
The Engineering Examination Committee met on Thursday, July 12, 1979 in Phoenix, Arizona with the following members present:

- Rudolf A. Jimenez
- Sam Caruso

The Committee meeting was held to review the results of the examinations given April 7-8, 1979. The final results of the examinations are shown on the following pages.

The Engineering Examination Committee recommends to the Board that this report be accepted and implemented and that these grades be certified.

Respectfully submitted,



Sam Caruso
Chairman

<u>CHEMICAL ENGINEERING</u>		<u>PART I</u>	<u>PART II</u>	<u>PART III</u>	<u>PART IV</u>	<u>PASSED APRIL 1979</u>
74-268	Cole, Edward Arthur	Ex	Ex	P	F	
76-193	Hammon, Lyndon Ray	P	F	P	P	1 (Record)
76-119	Roberts, S. Von	Ex	Ex	F	F	
76-260	Rosenstock, Hubert	Ex	Ex	F	F	
78-72	Travis, Stephen R.	Ex	Ex	F	P	
75-558	Villemez, Raymond George	Ex	Ex	F	F	
<u>CIVIL ENGINEERING</u>						
78-433	Ahmed, Moizuddin	Ex	Ex	P	F	3
78-437	Alford, Richard Hallie	Ex	Ex	F	P	4
* 78-222	Arambel, Jean Marty	Ex	Ex	P	P	4
78-372	Berkovitz, Barry Charles	P	P	F	P	1,2, 4
70-58	Bertella, Guido Joseph	P	F	P	P	
* 78-623	Braunstein, Paul Eric	Ex	Ex	P	P	3,4
76-585	Buckley, Terry Vernon	F	P	F	F	
* 78-309	Clark, John Edmund	Ex	Ex	P	P	4
* 78-714	Clemmens, Albert Jonathan	Ex	Ex	P	P	3,4
77-42	Coker, Raymond L.	Ex	Ex	F	F	
70-311	Dalrymple, Guerry M.	F	F	F	P	
78-697	Danelowitz, Mark Xavier	F	F	F	F	
78-691	DiSanza, Edmund Frank	Ex	Ex	F	P	4
77-318	Easter, Jack A.	F	F	F	F	
78-233	Edler, Floyd Charles	Ex	Ex	P	F	3
* 78-405	Feltovic, George Michael	Ex	Ex	P	P	3,4
* 79-49	Fisher, Deborah Williams	Ex	Ex	P	P	3,4
77-118	Fleet, Fred Everett	F	F	P	F	3
75-354	Funderburk, Harvey Alexander	F	P	P	P	
78-558	Gahl, Robert Allen	Ex	Ex	F	P	4
78-262	Gappinger, Elliott Dale	Ex	Ex	P	F	
79-4	Gasper, Jerome Gerald	Ex	Ex	F	F	
* 78-498	Graves, Albert Lynn	Ex	Ex	P	P	3,4
* 78-446	Harrington, Richard Gilman	Ex	Ex	P	P	3,4
78-690	Higgins, William J.	Ex	Ex	F	P	4
78-557	Inti, Ramakrishna	Ex	Ex	F	P	4
* 78-462	Joneja, Narendra Kumar	P	P	P	P	1,2,3,4

CIVIL ENGINEERING - contd.		PART I	PART II	PART III	PART IV	PASSED APRIL 1979
78-663	Kitt, John Andrew	Ex	Ex	F	P	4
* 78-645	Koenekamp, Thomas Maurice	Ex	Ex	P	P	3,4
78-43	Laakso, Douglas Gordon	F	P	P	P	3
* 78-712	Larchick, Robert Emil	Ex	Ex	P	P	3,4
* 79-37	Liebendorfer, Paul John	Ex	Ex	P	P	3,4
78-234	Lovstrom, Roger P.	F	F	P	P	
* 78-232	Maish, Charlie A.	P	P	P	P	1,2,3,4
78-387	Maldonado, Larry Marvin	Ex	Ex	P	F	3
75-231	Masowdi, Amir M.	P	F	P	P	4
* 76-10	Mercer, Donald Jay	Ex	Ex	Ex	P	4
* 78-634	Mihalek, Jay Edward	Ex	Ex	P	P	3,4
76-103	Milicevic, Novica	F	P	F	F	
* 78-388	Morea, Claudia Rae	Ex	Ex	P	P	3,4
75-421	Nixon, Charles Gilbert	P	F	P	P	
* 78-591	Offenburger, Neil Ronald	P	P	P	P	1,2,3,4
* 78-308	Paez, Antonio C.	Ex	Ex	P	P	4
78-186	Pummill, Ver1 Ray	Ex	Ex	DNA	DNA	
78-643	Rice, Robert Reven	Ex	Ex	P	F	3
* 78-713	Schwindt, Jon Clark	Ex	Ex	P	P	3,4
* 78-497	Showalter, William Richard	P	P	Ex	Ex	1,2
* 78-673	Shuler, Thomas Scott	Ex	Ex	P	P	3,4
* 78-85	Skibitzke, Herbert E.	Ex	Ex	P	P	3
* 77-111	Smith, Harold Ronald	Ex	Ex	P	P	3
78-308	Spain, James Clark	Ex	Ex	F	P	4
74-392	Tepley, George J.	F	F	P	P	
* 78-701	Thon, Curtis Lee	Ex	Ex	P	P	3,4
79-5	Tychowski, Christopher Roman	Ex	Ex	F	DNA	
76-320	Wilkie, Paul Albert	F	P	F	P	4
* 78-457	Wolfe, Dennis Dean	Ex	Ex	P	P	3,4
78-345	Wright, William Anthony	F	F	F	F	
76-407	Yeager, Larry Richard	Ex	Ex	P	F	3
* 78-644	Young, Robert Charles	Ex	Ex	P	P	3,4
* 78-384	Zeller, Michael E.	P	P	P	P	1,2,3,4
78-560	Zicafoose, Robert D.	F	F	F	P	4
* 79-34	Zwickl, Keith Duane	Ex	Ex	P	P	3,4

<u>ELECTRICAL ENGINEERING</u>		<u>PART</u> <u>I</u>	<u>PART</u> <u>II</u>	<u>PART</u> <u>III</u>	<u>PART</u> <u>IV</u>	<u>PASSED</u> <u>APRIL 1979</u>
* 77-555	Austin, Barry E	P	P	P	P	2, 4
* 77-550	Baltier, Francisco V.L.	P	P	P	P	4
* 79-53	Barrett, Brian Bernard	Ex	Ex	P	P	3,4
78-664	Bloomfield, A. Kent	F	F	F	F	
78-393	Brown, Lewis E.	Ex	Ex	F	P	4
78-625	Brown, Maurice Churchill	P	P	P	F	1,2,3
* 77-255	Butkovich, James T.	P	P	P	P	2
75-185	Campbell, William	P	F	P	P	
* 76-52	Clark, Roger William	Ex	Ex	P	P	3
78-320	Cooper, Marvin Glynn	F	F	F	F	
* 78-719	Daemmer, Johnathan Eric	Ex	Ex	P	P	3,4
78-537	DeCorse, Charles F.	Ex	Ex	P	F	3
* 77-214	Emmons, Glen T.	Ex	Ex	P	P	4
* 77-589	Garringer, Hal Leslie, Jr.	P	P	P	P	1, 3
74-669	Haines, Robert Thomas	F	P	P	P	
76-578	Hawkins, Dan J.	Ex	Ex	F	F	
* 77-341	Jolley, Virdes Allen	P	P	P	P	3
78-246	Jones, Kenneth Joseph	Ex	Ex	F	P	
77-562	Krueger, Alan John	P	P	P	F	
72-487	Loar, James Alpha	P	P	P	F	
70-240	Martinez, Joseph B.	Ex	EX	F	DNA	
* 77-614	Moen, Dennis Milton	Ex	Ex	P	P	4
* 78-423	Morris, James Allen	Ex	Ex	P	P	3,4
78-724	Pearson, Jaryl Michael	Ex	Ex	P	F	3
78-667	Plumb, David Carlton	Ex	Ex	P	F	3
76-536	Reiter, William Anthony	Ex	Ex	F	P	
77-93	Sarjapur, Jayadevan M.	F	F	F	F	
* 78-696	Sharp, Thomas Allen	Ex	Ex	P	P	3,4
* 78-409	Snyder, John Charles	P	P	P	P	1,2,3,4
* 78-476	Tang, James F.	P	P	P	P	1,2,3,4
79-27	Voss, George W.	Ex	Ex	P	F	3
* 77-121	Zaletel, Edward Anthony	Ex	Ex	P	P	3

		<u>PART</u>	<u>PART</u>	<u>PART</u>	<u>PART</u>	<u>PASSED</u>
		<u>I</u>	<u>II</u>	<u>III</u>	<u>IV</u>	<u>APRIL 1979</u>
<u>GEOLOGICAL ENGINEERING</u>						
* 78-693	Visca, Paul Joseph	Ex	Ex	P	P	3,4
<u>HIGHWAY ENGINEERING</u>						
74-166	Blizzard, Max Sharon	F	F	F	P	
74-271	Bloom, Norman Kenneth	P	F	F	P	
76-291	Boren, Ervin Lester	F	P	F	P	2, 4
76-151	Foster, Thomas Daniel	F	P	P	P	4
73-44	Key, Orin William	P	F	P	P	
74-173	Lay, George John	P	F	P	P	
76-345	Mitchell, William Anton	F	F	F	F	
70-413	Patty, John Harlan	F	P	P	P	
73-290	Snyder, Jack Duane, Sr.	F	P	P	P	
72-542	Strouse, David Frank	F	F	P	P	
76-85	Wright, Edward Dickinson, Jr.	F	P	P	P	2, 4
<u>INDUSTRIAL ENGINEERING</u>						
78-18	Kenna, LeRoy Austin	Ex	Ex	F	F	
<u>MECHANICAL ENGINEERING</u>						
* 78-717	Basu, Amiya	Ex	Ex	P	P	3,4
78-406	Elliott, William Howard	Ex	Ex	F	P	4
* 79-24	Furry, James Leroy	Ex	Ex	P	P	3,4
78-626	Geller, Jack M.	Ex	Ex	F	F	
78-130	Hannifin, Edmund Norman	F	F	P	P	3
* 78-369	Hansen, Thomas Noble	Ex	Ex	P	P	3,4
* 76-20	Hartman, Paul Oliver	P	P	P	P	3
72-599	Hoffarth, Richard C.	Ex	Ex	F	P	
* 78-721	Humphrey, David Michael	Ex	Ex	P	P	3,4
78-722	Hunsaker, Jan L.	Ex	Ex	F	F	
78-117	Jernberg, Evert Herman	Ex	Ex	P	F	3
* 78-666	Kulkarni, Yashavant Vishnu	Ex	Ex	P	P	3,4
* 77-642	Laine, Roger Alan	P	P	P	P	3,4
* 79-54	Lusby, Ralph William, Jr.	Ex	Ex	P	P	3,4
* 79-28	Mann, David Archie	Ex	Ex	P	P	3,4
* 78-607	Mattison, Jeffrey R.	Ex	Ex	P	P	3,4

<u>MECHANICAL ENGINEERING--contd.</u>		<u>PART I</u>	<u>PART II</u>	<u>PART III</u>	<u>PART IV</u>	<u>PASSED APRIL 1979</u>
70-432	Miller, Marion Edward	F	F	P	P	
78-628	Peterson, Mark Jon	Ex	Ex	P	F	3
* 79-26	Ringger, Hans R.	Ex	Ex	P	P	3,4
* 78-10	Schwartz, Steven Douglas	Ex	Ex	P	P	3
* 77-213	Shaub, Fred E.	P	P	P	P	3
78-424	Shepherd, Stanton Henry	Ex	Ex	F	P	4
* 78-726	Simko, William Michael	Ex	Ex	P	P	3,4
* 77-594	Singh, Rajinder	Ex	Ex	P	P	3
* 78-359	Smith, Dennis Wayne	P	P	P	P	1,2,3,4
* 78-298	Smith, James Norman	Ex	Ex	P	P	3,4
78-124	Sullivan, James Emmett	F	F	DNA	DNA	
78-81	Sullivan, Paul Eugene	Ex	Ex	F	P	
* 77-252	Thies, Joel O.	P	P	P	P	4
77-641	Thornberry, Harold Louis, Jr.	P	P	F	F	
* 78-670	Vroom, David Henry	P	P	P	P	1,2,3,4
78-302	Wilcox, Gary Paul	F	F	F	P	4
* 77-140	Williams, Dwayne A.	Ex	Ex	P	P	4
77-382	Wilson, Gregory Calvin	Ex	Ex	F	F	
* 77-425	Woolsoncroft, Howard Lee	P	P	P	P	3
<u>SANITARY ENGINEERING</u>						
* 78-399	Jefferson, F. Thomas	Ex	Ex	P	P	3,4
77-573	Willis, Brayton Perry, Jr.	F	F	P	F	
<u>STRUCTURAL ENGINEERING</u>		<u>PART III</u>	<u>PART IV</u>	<u>PART V</u>	<u>PART VI</u>	
78-319	Barre, Ib	F	P	F	F	4
* 78-481	Hale, Tom Henry	P	P	P	P	3,4,5,6
* 78-404	Harabor, Mihai	Ex	Ex	P	P	5,6
* 78-505	Jarol, David L.	Ex	Ex	P	P	5,6
78-692	Lewis, James Walter	Ex	Ex	P	F	5
* 78-288	Lundwall, Dan Richard	Ex	Ex	P	P	5,6
* 78-48	Narasimhan, A.K.	Ex	Ex	P	P	6
* 75-593	Soto, Edward Monriquez	Ex	Ex	P	P	5
* 78-480	Spicer, Edward Lee	Ex	Ex	P	P	5,6

STRUCTURAL ENGINEERING--contd.

	<u>PART III</u>	<u>PART IV</u>	<u>PART V</u>	<u>PART VI</u>	<u>PASSED APRIL 1979</u>
78-8 Stevens, Alexander M.	Ex	Ex	F	F	
* 78-482 Trummer, John Joseph	Ex	Ex	P	P	5,6
78-467 Villa, Thomas Spencer	Ex	Ex	F	P	6
79-9 Whalin, Clarence H.	Ex	Ex	P	F	5

GEOLOGIST

	<u>PART I</u>	<u>PART II</u>	<u>PART III</u>	<u>PART IV</u>	
77-1 Armstrong, Edward J.	F	F	P	P	
78-456 Cackle, Allen Robert	P	P	F	P	1,2, 4
* 78-280 Cousins, Noel Boyd	Ex	Ex	P	P	4
* 78-281 Linder, Harold William	Ex	Ex	P	P	3,4

LAND SURVEYING

77-290 Alcocer, Richard	P	P	P	F	
* 78-398 Baker, Fred L.	P	P	P	P	1,2,3,4
77-349 Barbee, William Francis	P	P	P	F	3
74-419 Bowlin, Gerald Ray	P	P	P	F	
77-467 Braden, Larry David	P	P	P	F	
77-634 Brugger, Norman Dale	P	P	P	F	2,3
78-716 Burer, Alfred Earl	P	P	P	F	1,2,3
* 78-278 Corsaro, James V.	P	P	P	P	4
78-260 Dale, Edward E.	P	F	P	F	
78-304 DeWitt, Wendell Fred	P	P	P	F	
72-653 Engle, Thomas Edwin	P	P	P	F	
77-608 Evans, Roy Lee	F	P	F	F	
71-148 Garcia, Ernest G.	F	P	F	P	
74-181 Gardiner, Theodore Ernest, Sr.	P	P	P	F	2
77-598 Gingles, William James, Sr.	P	P	P	F	1
76-268 Hall, James Joseph	P	P	P	F	
76-47 Horacek, Jerry Lee	P	P	P	F	
78-390 Jones, Arvel Ray	P	P	P	F	2,3
* 76-34 Kehart, Richard William	P	P	P	P	4
* 79-22 Knight, Jerrold E.	P	P	P	P	1,2,3,4
* 78-276 Mouland, Dennis James	P	P	P	P	4
77-293 Murrey, David Howard	P	P	P	F	3
77-109 Muth, James Edward	P	P	P	F	

LAND SURVEYING--contd.

	PART I	PART II	PART III	PART IV	PASSED APRIL 1979
78-391 Naville, Patrick W.	Ex	Ex	P	F	3
78-346 Nykorchuk, David John	P	P	P	F	
79-36 Pashen, Peter John	Ex	Ex	P	F	3
74-297 Payton, Donald Wayne	F	F	F	F	
71-281 Pidskalny, Robert Andrew	P	P	P	F	
77-12 Prescott, Steven Reed	P	P	P	F	
* 77-226 Rice, George William	P	P	P	P	2, 4
77-57 Robberson, Allen Gregory	P	P	P	F	2
77-174 Sanchez, Carlos	P	P	P	F	2,3
* 78-389 Sanchez, Reynaldo Y.	P	P	P	P	1,2,3,4
72-628 Smith, Romain Harold	P	P	F	F	
78-534 Speer, Kenneth Francis	P	F	P	F	1, 3
77-644 Speth, Alan W.	P	P	P	F	1,2,3
78-460 Stewart, Tommie Gene	P	F	P	F	1, 3
* 78-148 Sturniolo, Fredrick Joseph	P	P	P	P	4
79-63 Sullivan, Michael Keith	P	P	P	F	1,2,3
78-588 Tokarski, Norbert A.	P	P	P	F	1,2,3
69-77 Torres, Alfonso	P	F	P	F	
77-119 Whitmer, Larry Kay	P	P	P	F	
* 76-237 Wight, Dan Lynn	P	P	P	P	4
78-715 Wisner, Norman Walter	P	P	P	F	1,2,3

GEOLOGIST-IN-TRAINING

* 79-2 Babcock, Elizabeth M.	P				
78-1 Murphy, Barbara Harrington	F				
* 78-4 Niccoli, Mary Ann	P				
* 79-1 Weeks, Ralph E.	P				
* 79-3 Yankovich, Catherine F.	P				
79-41					
79-42					
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ENGINEER-IN-TRAINING

* 79-1	Allocco, David R.	P	79-64	Ghanooni, Mehrdad	P
78-149	Anderson, Peter Eric	F	79-65	Goodall, Ralph Louis	P
79-37	Angelo, Dennis	P	* 79-41	Greene, Robert M.	P
79-2	Antonas, Nicholas J.	P	* 79-118	Gross, Mark	P
79-49	Bailey, Kevin D.	P	79-13	Gutierrez, Adrian C.	F
76-8	Ballesteros, Louis C.	F	79-66	Hadden, Kenneth Alan	P
79-3	Baker, Christopher D.	F	79-67	Haley, Stanley Warren	P
79-107	Beck, Edmond A.	P	79-14	Hall, Andrew David	P
79-4	Beltran, Raymond E.	F	79-119	Hansen, Robert LeeRoy	F
79-108	Berry, Richard V.	F	78-224	Hanson, Johnnie L.	F
* 77-26	Boisvert, Albert E.	P	79-68	Harrington, Michael J.	F
79-109	Boyd, Gary Lewis	F	79-69	Haub, Gary L.	P
79-110	Brake, James Philip	P	79-120	Heath, Byron R.	P
79-5	Broughton, Thomas M.	P	* 79-15	Hemesath, Michael J.	P
77-24	Cambier, James S.	F	* 79-70	Higgs, Dale Thomas	P
79-6	Cano, Joe O.	F	79-71	High, Glen Timothy	P
79-112	Chapman, Robert	P	78-19	Hinderer, Grant Kelly	F
* 79-50	Chambers, Benjamin C.	P	* 78-158	Holder, Michael D.	P
79-7	Chase, David Paul	P	* 79-72	Hollars, Russell Lowell	P
79-51	Chavez, Joey N.	P	* 79-17	Holstein, Jeffery L.	P
79-52	Chavez, Kathleen Marie	P	* 79-18	Hopkins, Louie Baus	P
78-153	Connell, Christopher V	F	79-73	Huber, Robert Christian	F
* 78-152	Conovaloff, Bill J.	P	* 79-19	Hughes, Robert Paul	P
78-102	Cortes Gary J.	F	79-74	Hyer, Gary Wayne	F
79-54	Craig, Marty Joe	P	79-75	Johnson, Richard M.	P
79-55	Creque, Albert Gerald	P	79-77	Kachnic, Edward Frank	P
78-98	Daniel, Larry	F	79-78	Kamoto, Kip Ken	P
* 79-38	Darke, Douglas Lee	P	79-121	Kececioglu, Zoe Diana	P
79-113	Dayyo, Betty	F	79-20	Kelly, Brian John	P
79-114	DeMars, Peter V.	P	79-42	Kenly, Rod B.	P
78-176	Dentz, Alice H.	F	79-79	Kershner, Charles	P
* 79-106	DeSpain, Mark J.	P	79-21	King, Linda Arlene	F
79-115	Doell, Richard W.	F	78-180	Klensin, Barbaraann Louise	F
79-8	Doll, Jerry Kenneth	F	79-22	Knatz, Mark Charles	P
79-57	Dong, Lorraine	F	79-80	Knudsen, Dennis C.	F
79-58	Dreyer, Lawrence L.	P	79-43	Konves, John M.	P
78-5	East, Randall L.	F	78-161	Kroosting, Ronald Roy	F
79-59	Elliott, Michael J.	P	78-162	Lester, Billy Royce	F
79-60	Engler, Robert Birch	P	* 79-122	Liu, Lihsin	P
* 79-9	Escriche, Lorenzo	P	75-205	Luebkin, Dennis	F
78-217	Esquibel, Ignacio B.	F	78-36	Lyll, Albert Neil, III	F
78-156	Fairweather, Robert K.	F	79-123	Lynch, Charles J.	P
79-10	Falksen, Suzanne C.M.	F	79-81	McDaniel, T. Edward	P
79-61	Featherston, Rex John	P	79-82	McGahey, Theresa L.	P
79-116	Fenn, Richmond Lee	F	79-83	Madrid, Richard S.	P
79-39	Fong, Kenneth Sim	F	79-124	Malmo, Lee Allan	F
79-40	Furstenau, Devon	P	* 79-56	Maroufkhani, Saman	P
79-125	Garza, Armando M.	P	79-84	Marti, Kevin	P
79-62	Gavan, Mark Theodore	P	* 79-23	Mason, Jerry	P
79-117	Gayle, William R.	P	79-85	Mervin, Jeff	P
79-63	Geare, Richard J. II	P	* 79-86	Midkiff, Ronald D.	P

ENGINEER-IN-TRAINING--contd.

79-44	Miller, Paul Joseph	P
* 79-87	Mitchell, Gary G.	P
79-88	Mlsna, Phillip Anthony	P
79-25	Murphy, Daniel Delmer	P
78-183	Nasrallah, Gaby	F
79-126	Nelson, William I.	P
* 79-26	Oliver, Terry James	P
79-27	Overbey, Clyde McKinley	F
79-127	Parker, Craig Robert	P
79-45	Peters, Joseph R.	P
79-137	Pierson, Phillip E.	P
79-89	Porter, Kenneth Ford	P
79-90	Prast, Arthur M.	F
79-129	Purdy, Dean L.	P
79-130	Quan, Terry L.	P
79-91	Rahrig, Charles Kevin	P
79-92	Reinhold, Mark Reed	F
* 79-28	Roberts, John Thomas	P
79-94	Robillard, William L.	P
79-29	Romer, Andrew Ellis	P
* 79-30	Sarriugarte, Louis Victor	P
79-131	Scott, Kyle C.	P
79-93	Seigrist, Steven Sun	P
* 79-95	Seitz, David M.	P
* 79-31	Sim, James M., Jr.	P
78-185	Sisley, Tina Marie	P
79-132	Skilsky, Michael	P
79-96	Smith, Craig L.	F
79-32	Smith, Gary T.	F
79-97	Smith, John Dan	P
79-46	Stankis, James F.	P
79-133	Steiger, Robert C.	P
* 79-33	Stensland, Robert W.	P
79-34	Stringer, Dennis Arthur	F
79-35	Taylor, Patrick James	P
79-99	Tineo, Antonio Figueroa	F
79-100	Turner, Mark D.	P
79-47	Udall, Sidney P.	P
78-168	Vana, Bruce D.	F
* 78-169	Vyas, Manoj Navinchandra	P
79-101	Walter, Timothy G.	P
* 78-170	Ware, William F.	P
79-102	West, David J.	P
79-134	Westphal, Kathryn A.	P
79-135	White, John MacNeill	P
79-48	Wilson, David L.	P
79-103	Windisch, Donald A.	F
* 79-36	Wojdyla, Peter J.	P
* 78-173	Wong, Willie K.	P
79-104	Wood, Rebecca Lynn	F
79-105	Young, Paul T.	P

<u>RESEARCH & DEVELOPMENT</u>	
Allen, Arlyn	12490
Carry, James Leroy	12500
Carson, Thomas Noble	12501
Cartman, Paul Oliver	12502
Chapman, David-Michael	12503
<u>RESEARCH & DEVELOPMENT</u>	
Cullum, Stephen Fisher	12504
Lebow, Roger Alan	12505
Lund, Ralph William, Jr.	12506
Nam, David Archie	12507
Wattson, Jeffrey S.	12508
<u>RESEARCH & DEVELOPMENT</u>	
Klinger, Iona S.	12509
Schwartz, Steven Douglas	12510
Shank, Fred Eugene	12511
Stoko, William Michael	12512
Singh, Rajinder	12513
<u>RESEARCH & DEVELOPMENT</u>	
Smith, Dennis Wayne	12514
Smith, James Norman	12515
Thies, Paul D.	12516
Yocco, David Harry	12517
Williams, Dwayne A.	12518
Woolsoncroft, Howard Lee	12519
<u>SANITARY ENGINEERING</u>	
Jefferson, F. Thomas	12520
<u>STRUCTURAL ENGINEERING</u>	
<u>STRUCTURAL ENGINEERING</u>	
Allen, Ted Henry	12521
Harshbarger, Noel	12522
Jarvis, David L.	12523
Lundell, Don Richard	12524
<u>STRUCTURAL ENGINEERING</u>	
Kerzifman, Aronson Abraham A.	12525
Sabo, Edward Harrison	12526
Spicer, Edward Lee	12527
Tromper, John Joseph	12528
<u>GEOLOGIST</u>	
Cookins, Noel Boyd	12529
Linder, Harold William	12530

It was moved by Mr. Caruso and seconded by Dr. O'Bannon that the following applicants for professional registration, having completed the personal audience and all other requirements of this Board, be granted registration and assigned the registration numbers as indicated. Motion carried.

CIVIL ENGINEERING

Arambel, Jean Marty 12457
 Braunstein, Paul Eric 12458
 Clark, John Edmund 12459
 Clemmens, Albert Jonathan 12460
 Feltovic, George Michael 12461
 Fisher, Deborah Williams 12462

Graves, Albert Lynn 12463
 Harrington, Richard Gilman 12464
 Joneja, Narendra Kumar 12465
 Koenekamp, Thomas Maurice 12466
 Larchick, Robert Emil 12467

Liebendorfer, Paul John 12468
 Maish, Charlie A. 12469
 Mercer, Donald Jay 12470
 Mihalek, Jay Edward 12471
 Morea, Claudia Rae 12472
 Paez, Antonio C. 12540
 Offenburger, Neil Ronald 12473
 Schwindt, Jon Clark 12474
 Showalter, William Richard 12475
 Shuler, Thomas Scott 12476
 Skibitzke, Herbert E. 12477
 Smith, Harold Ronald 12541
 Thon, Curtis Lee 12478
 Wolfe, Dennis Dean 12479
 Young, Robert Charles 12480
 Zeller, Michael E. 12481
 Zwickl, Keith Duane 12482

ELECTRICAL ENGINEERING

Austin, Barry E. 12483
 Baltier, Francisco Vicente L. 12484
 Barrett, Brian Bernard 12485
 Butkovich, James T. 12486
 Clark, Roger William 12487

Daemmer, Johnathan Eric 12488
 Emmons, Glen T. 12489
 Garringer, Hal Leslie, Jr. 12490
 Jolley, Virdes Allen 12491
 Moen, Dennis Milton 12492
 Morris, James Allen 12493
 Sharp, Thomas Allen 12494
 Snyder, John Charles 12495
 Tang, James F. 12496
 Zaletel, Edward Anthony 12497

GEOLOGICAL ENGINEERING

Visca, Paul Joseph 12498

MECHANICAL ENGINEERING

Basu, Amiya 12499
 Furry, James Leroy 12500
 Hansen, Thomas Noble 12501
 Hartman, Paul Oliver 12502
 Humphrey, David Michael 12503

Kulkarni, Yashavant Vishnu 12504
 Laine, Roger Alan 12505
 Lusby, Ralph William, Jr. 12506
 Mann, David Archie 12507
 Mattison, Jeffrey R. 12508

Ringger, Hans R. 12509
 Schwartz, Steven Douglas 12510
 Schaub, Fred Eugene 12511
 Simko, William Michael 12512
 Singh, Rajinder 12513

Smith, Dennis Wayne 12514
 Smith, James Norman 12515
 Thies, Joel O. 12516
 Vroom, David Henry 12517
 Williams, Dwayne A. 12518
 Woolsoncroft, Howard Lee 12519

SANITARY ENGINEERING

Jefferson, F. Thomas 12520

STRUCTURAL ENGINEERING

Hale, Tom Henry 12521
 Harabor, Mihai 12522
 Jarol, David L. 12523
 Lundwall, Dan Richard 12524

Narasimhan, Anantanarayanan K. 12525
 Soto, Edward Monriquez 12526
 Spicer, Edward Lee 12527
 Trummer, John Joseph 12528

GEOLOGIST

Cousins, Noel Boyd 12529
 Linder, Harold William 12530

LAND SURVEYING

Baker, Fred L.	12531
Corsaro, James V.	12532
Kehart, Richard William	12533
Knight, Jerrold E.	12534
Mouland, Dennis James	12535
Rice, George William	12539
Sanchez, Reynaldo Y.	12536
Sturniolo, Fredrick Joseph	12537
Wight, Dan Lynn	12538

Wright, Mark J.	2102
Wright, Robert E.	2103
Wright, Robert E.	2104
Wright, Mark	2105
Wright, Michael P.	2106

Wright, Dale Thomas	2107
Wright, Michael E.	2108
Wright, Campbell Lowell	2109
Wright, Jeffrey L.	2110
Wright, Louis Dew	2111

Wright, Robert Paul	2112
Wright, Eric	2113
Wright, James	2114
Wright, Jerry	2115
Wright, Ronald G.	2116

Wright, Gary G.	2117
Wright, Tony James	2118
Wright, John Thomas	2119
Wright, Louis Victor	2120
Wright, David M.	2121

Wright, James H., Jr.	2122
Wright, Robert W.	2123
Wright, Ramji Narayanchandra	2124
Wright, William F.	2125
Wright, Peter J.	2126
Wright, Willie R.	2127

It was moved by Mr. Caruso and seconded by Dr. O'Bannon that the following applicants for in-training registration, having satisfactorily completed the written examination and all other requirements of the Board, be granted in-training registration and assigned the registration numbers as indicated. Motion carried.

ENGINEER-IN-TRAINING

Allocco, David R.	2097
Boisvert, Albert E.	2098
Chambers, Benjamin Charles	2099
Conovaloff, Bill J.	2100
Darke, Douglas Lee	2101
DeSpain, Mark J.	2102
Escriche', Lorenzo	2103
Greene, Robert M.	2104
Gross, Mark	2105
Hemesath, Michael J.	2106
Higgs, Dale Thomas	2107
Holder, Michael D.	2108
Hollars, Russell Lowell	2109
Holstein, Jeffrey L.	2110
Hopkins, Louie Baus	2111
Hughes, Robert Paul	2112
Liu, Lihsin	2113
Maroufkhani, Saman	2114
Mason, Jerry	2115
Midkiff, Ronald D.	2116
Mitchell, Gary G.	2117
Oliver, Terry James	2118
Roberts, John Thomas	2119
Sarriugarte, Louis Victor	2120
Seitz, David M.	2121
Sim, James M., Jr.	2122
Stensland, Robert W.	2123
Vyas, Manoj Navinchandra	2124
Ware, William F.	2125
Wojdyla, Peter J.	2126
Wong, Willie K.	2127

GEOLOGIST-IN-TRAINING

Babcock, Elizabeth M.	24
Niccoli, Mary Ann	25
Weeks, Ralph E.	26
Yankovich, Catherine F.	27

ARIZONA STATE BOARD OF TECHNICAL REGISTRATION

PROPOSED RULE

Pursuant to A.R.S. § 32-106 the State Board of Technical Registration proposes to adopt a rule, similar in substance, terms and conditions to the wording of the following:

Part 1. Section R4-30-01 is amended to read as follows:

R4-30-01. Applications, General

- A. (Unchanged)
- B. (Unchanged)
- C. (Unchanged)
- D. (Unchanged)
- E. Engineers desiring registration in more than one branch must submit a separate application for each branch and pay the regular fee with each application. Registration in engineering will be granted in the major branches of engineering included in the college curricula approved by the Board. Major branches of engineering presently recognized by the Board are: Aeronautical, Agricultural, Chemical, Civil, Electrical, Geological, Geophysical, Highway, Industrial, Mechanical, Metallurgical, Mining, Nuclear, Petroleum, Sanitary and Structural.
- F. (Unchanged)
- G. (Unchanged)
- H. (Unchanged)
- I. (Unchanged)
- J. (Unchanged)
- K. (Unchanged)

ARIZONA STATE BOARD OF TECHNICAL REGISTRATION

PROPOSED RULE

Pursuant to A.R.S. §32-106 and A.R.S. §32-127 the State Board of Technical Registration proposes to adopt a rule, similar in substance, terms and conditions to the wording of the following:

Part 1. Section R4-30-29 is amended to read as follows:

R4-30-29. Renewal Fees

For renewal of a certificate of registration, if received prior to December 31st of each year (a certificate of registration not renewed prior to December 31st of each year will accrue a penalty of 10 per cent of each month or fraction of month delinquency), the following fees will be required:

1. Renewal as an Architect, Assayer, Engineer, Geologist, Landscape Architect, or Land Surveyor, ~~ten FIFTEEN~~ ~~dollars; except that persons age 70 or older shall be exempt from the registration fee provided they have been registered in Arizona for ten consecutive years immediately prior to attaining the age of 70 or older.~~
2. In-Training certificates, none.

Patricia H. Porcarello
Secretary

MINUTES OF THE STATE BOARD OF TECHNICAL REGISTRATION
AUGUST 17, 1979

A special meeting of the State Board of Technical Registration was held August 17, 1979 at 4:50 P.M. after an executive session which began at 4:00 P.M. The purpose of the meeting was to discuss the hiring of a new Executive Director to replace Mr. Cassidy, who has resigned. The meeting was held in the office of the Board at 1645 W. Jefferson, Phoenix, Arizona. The meeting was called to order by Mark Edson, Chairman. Mr. Edson then turned over the chairmanship of the meeting to Patrick Porcarello, Secretary, and excused himself from the meeting. Mr. Porcarello noted that those present constituted a quorum.

PRESENT

Patrick H. Porcarello, Secretary
Sam Caruso
Wayne O. Earley
Kemper Goodwin
Charles E. O'Bannon
John B. Trimble
F. Mark Edson, Chairman

ABSENT

Rod J. Gomez, Vice Chairman
Rudolf A. Jimenez

A motion was made by Mr. Caruso and seconded by Dr. O'Bannon that the Board hire Mr. F. Mark Edson as Executive Director. During the discussion on the motion, it was pointed out that prior to hiring an Executive Director just a little more than a year ago, the Selection Committee had received approximately thirty applications and had interviewed seven applicants. Out of the seven applicants, Mr. Edson had received the second highest score; and because of the time elements involved, it seemed unnecessary to repeat the selection process again so soon.

After completion of the discussion, Mr. Trimble called for the question. The Secretary called for a show of hands. There were four votes in favor of the motion, and one vote by Mr. Earley against the motion. Motion carried.

Mr. Goodwin moved that the employment of Mr. Edson, subject to his approval and acceptance, begin two weeks prior to September 30, the effective date of Mr. Cassidy's resignation. Mr. Trimble seconded the motion. Motion carried.

Dr. O'Bannon moved that Mr. Edson be hired at Grade 22, Step 4, at a salary of \$27,671. Mr. Earley seconded the motion. Motion carried.

Mr. Goodwin then moved that the meeting be adjourned; Dr. O'Bannon seconded the motion. Motion carried. The meeting adjourned at 5:05 P.M.

Patrick H. Porcarello
Secretary

MINUTES OF THE STATE BOARD OF TECHNICAL REGISTRATION

SEPTEMBER 7, 1979

The regular quarter-annual meeting of the State Board of Technical Registration was held in the Engineering Building on the Northern Arizona University campus in Flagstaff, Arizona on Friday, September 7, 1979. Chairman Mark Edson called the meeting to order at 10:00 A.M.

PRESENT

F. Mark Edson, Chairman
Rod J. Gomez, Vice Chairman
Patrick H. Porcarello, Secretary
Sam Caruso
Wayne O. Earley
Kemper Goodwin
Rudolf A. Jimenez
Charles E. O'Bannon
John B. Trimble
David W. Ronald, Attorney

All members present constituted a quorum.

The minutes of the regular meeting of the Board held on Friday, June 1, 1979 were approved by the unanimously passed motion of Mr. Goodwin, seconded by Mr. Trimble.

Dr. Jimenez moved and Mr. Porcarello seconded that the minutes of the special meeting of the Board held on Friday, July 20, 1979 be approved as presented. Motion carried.

It was moved by Mr. Goodwin and seconded by Mr. Porcarello that the minutes of the special meeting of the Board held on Friday, August 17, 1979 be approved as presented. Motion carried.

REPORT OF THE EXECUTIVE COMMITTEE

The Executive Committee met on August 27, 1979. The minutes of the meeting are shown on Minute Pages 4228 - 4231.

It was noted that although Messrs. Jimenez and Trimble were absent from the Executive Committee meeting, both submitted written comments in response to the Auditor General's Performance Audit.

REPORT OF THE RULES AND BY-LAWS COMMITTEE

No report.

REPORT OF THE LEGISLATIVE COMMITTEE

No report.

REPORTS OF THE EVALUATION AND EXAMINATION COMMITTEES

Architectural Evaluation & Examination Committee

The Architectural Committee's report was presented by Mr. Goodwin. The report is shown as Minute Pages 4232 - 4240.

It was moved by Mr. Goodwin and seconded by Dr. O'Bannon that Item 1 of the report be accepted and implemented by the Board. Motion carried.

It was moved by Mr. Goodwin and seconded by Mr. Caruso that Item 2 of the report be accepted and implemented by the Board. Motion carried.

Rosen, Sheldon D. 78-295 It was moved by Mr. Goodwin and seconded by Mr. Porcarello that Mr. Rosen be granted architectural registration in Arizona under A.R.S. 32-123 B. based upon oral examination and portfolio review. Motion carried.

Marro, Ray M., Jr. 78-613. It was moved by Mr. Goodwin and seconded by Mr. Porcarello that Mr. Marro's request for an extension be denied and that his application be denied for failure to complete the requirements of the Board in a reasonable length of time. Motion passed.

Al-Alawi, Kamal 77-525 It was moved by Mr. Goodwin and seconded by Mr. Porcarello that Mr. Al-Alawi's request for credit for a Design exam passed in Nebraska in 1976 be denied. Motion passed.

Coracides, Basilio B. 72-103 It was moved by Mr. Goodwin and seconded by Mr. Trimble that Mr. Coracides be granted credit for Part B and Part D of the Qualifying Test, but that he continue to be held for Part C. Motion passed.

Retention of Old Exam Files

Mr. Goodwin moved and Mr. Porcarello seconded that one copy of all old architectural exams be retained by the Board for historic purposes. Motion carried.

Certification of Examinations Results

It was moved by Mr. Goodwin and seconded by Mr. Porcarello that Item 9 of the report be accepted and implemented by the Board, and that the results of the examinations given in June 1978 be certified as shown on Minute Pages 4235 - 4240. Motion carried.

It was moved by Mr. Goodwin and seconded by Mr. Porcarello that the Board recommend to the National Council of Architectural Registration Boards that each examinee should meet all the design requirements in the project statement of the Design Examination in order to pass the examination. Motion carried.

Complaints

79-007 TRB vs. BENEDICT Mr. Goodwin moved to close the file; Mr. Porcarello seconded the motion. Motion passed.

79-009 SWANSON vs. BENEDICT Mr. Goodwin moved to close the file; Mr. Porcarello seconded the motion. Motion carried.

79-008 KECK vs. RAND Mr. Goodwin made a motion that Mr. Rand be invited to appear before the full Board to discuss the events leading to this complaint and that a copy of the investigative report be sent to all Board members before calling Mr. Rand before the Board. Dr. O'Bannon seconded the motion. Motion passed.

79-012 KIRK vs. FELLOWS Mr. Goodwin moved to close this file and to notify all parties; Mr. Porcarello seconded the motion. Motion carried.

79-015 HOOD vs. BROCK Mr. Brock and his attorney, Mr. Lorin Tobler, appeared before the Board to discuss this complaint and to present affidavits to the Board. After a long discussion, Mr. Goodwin moved that this matter be tabled until the next meeting of the Board and that the Executive Director conduct further investigation as necessary. Dr. O'Bannon seconded the motion. Motion carried.

Board Policy It was moved by Mr. Gomez and seconded by Mr. Earley that a copy of each complaint and response be sent to all Board members. Motion passed.

Mr. Goodwin moved that future complaints and all outstanding complaints be brought directly before the entire Board for action. Mr. Porcarello seconded.

Mr. Gomez moved that this motion be tabled; Dr. Jimenez seconded the motion. Motion passed.

Kellock, George 78-684 It was moved by Mr. Goodwin and seconded by Mr. Trimble that Mr. Kellock's passing grade in the Professional Examination, Section A-Design, taken in Washington for record purposes be accepted and, all requirements having been completed, that he be granted architectural registration in Arizona under A.R.S. 32-126 B. Motion carried.

Engineering Evaluation Committee Report

The Engineering Committee Report was presented by Mr. Caruso. The report is shown on Minute Pages 4241 - 4246.

Complaints

The Board's discussion of the items on this report began with Item 15 so that Mr. Dave Ronald might be present during the discussion of these complaints.

79-010 HOLLAND vs. ENERGY ENGINEERING Mr. Caruso moved that this file be closed and that all parties to the complaint be so notified. Mr. Earley seconded the motion. Motion carried.

79-011 WOOD vs. DORSETT and DORSETT INDUSTRIES, INC.

79-018 WOOD vs. BIDDLE

It was moved by Mr. Caruso and seconded by Mr. Trimble that the Board continue its investigation of these complaints. Motion carried.

79-013 FINDLAY vs. SEVILLA

79-014 FINDLAY vs. MISCHE

Dr. O'Bannon moved to accept the Committee's recommendation to dismiss these complaints. Mr. Trimble seconded the motion. Motion carried.

79-016 SCOTT vs. ATHERTON

Dr. O'Bannon made a motion that the Board proceed with an investigation of this complaint to determine if sufficient evidence exists to warrant a hearing. Mr. Gomez seconded the motion. Motion passed.

79-002 TRB vs. AMEC ASSOCIATION, INC.

It was moved by Mr. Caruso and seconded by Mr. Trimble that this complaint be closed and that all parties be so notified. Motion passed.

It was moved by Mr. Caruso and seconded by Dr. O'Bannon that Items 1,2, 3 and 4 of this report be accepted and implemented by the Board. Motion carried.

Bertella, Guido J. 70-58 It was moved by Mr. Caruso and seconded by Dr. O'Bannon that the Board deny Mr. Bertella's request for a waiver of Part 2 of the civil engineering examination. Motion carried.

Martini, Albert Dominic 79-66 It was moved by Mr. Caruso and seconded by Mr. Trimble that Mr. Martini's application be changed to sanitary engineering and that he be held for the professional examination in sanitary engineering. Motion carried.

Yankovich, Catherine 2844-Denied It was moved by Mr. Caruso and seconded by Dr. O'Bannon that the Board accept the recommendation of the Committee and uphold the previous denial of Ms. Yankovich's application. Motion carried.

Ericson, Wayne Allan It was moved by Mr. Caruso and seconded by Dr. O'Bannon that Mr. Ericson's application be accepted. Motion carried.

ASPE Enforcement Assistance

It was moved by Mr. Caruso and seconded by Mr. Trimble that the Board accept ASPE's offer to assist the Board in controlling the use of the term "engineering" in business trade names insofar as such help is consistent with the policies of this Board. There were seven votes in favor of the motion; one "no" vote by Mr. Earley. Motion carried.

NCEE Exam Changes

Dr. Jimenez explained changes to the Board.

NCEE Exams in November

It was moved by Dr. O'Bannon and seconded by Dr. Jimenez that the Committee's recommendation be implemented for at least one year on a trial basis. Motion carried.

NCEE Mining Examination

It was moved by Mr. Trimble and seconded by Dr. O'Bannon that the Board use the NCEE examinations for Parts 3 and 4 of the Mining examination. Motion carried.

It was noted for the record that sample exams and syllabus were reviewed by the University of Arizona's Mining Department and that they have been approved by most of the western states.

ECPD Visits Arizona State University

It was moved by Mr. Goodwin and seconded by Dr. Jimenez that travel expenses be authorized for Mr. Trimble to participate as an observer during ECPD accreditation visit to ASU. Motion passed.

Numerical List in Annual Roster

No action taken.

Old Exam Files

It was moved by Mr. Trimble and seconded by Dr. Jimenez that the Board retain one copy of all examinations for historical purposes. Motion passed.

Landscape Architectural Committee Report

Mr. Earley presented the Landscape Architectural Examination Committee Report shown on Minute Pages 4247 - 4248.

It was moved by Mr. Earley and seconded by Dr. O'Bannon that this report be accepted and implemented by the Board. Motion carried.

DENIALS (See Minute Pages 4249.)GRANTED LIST (Shown as Minute Pages 4250 - 4252.)REPORT OF THE PUBLIC INFORMATION COMMITTEE

No report.

REPORT OF THE BUDGET COMMITTEE

No report.

REPORT OF THE EXECUTIVE DIRECTOR

Mr. Cassidy presented the report shown as Minute Pages 4253 - 4255.

It was moved by Mr. Porcarello that Mr. Cassidy's resignation as Executive Director be accepted. The motion was seconded by Mr. Trimble with regret and with appreciation for Mr. Cassidy's excellent handling of the job. Motion carried.

READING OF COMMUNICATIONSF. Mark Edson, Board Chairman

Mr. Edson's letters to the Board accepting the position of Executive Director and to the Governor resigning his Board membership are shown on Minute Pages 4256 and 4257.

READING OF COMMUNICATIONS--contd.Nixon, Charles Gilbert 75-421

Mr. Nixon's letter is shown on Minute Page 4258. Mr. Nixon appeared personally to request reconsideration of his failing grade on Part 2 of the April 1979 Fundamentals of Engineering examination. Upon completion of Mr. Nixon's comments and after full discussion, it was moved by Mr. Trimble and seconded by Mr. Earley that Mr. Nixon's request be denied. Motion passed.

Luiz, Francis Michael 79-114

Mr. Luiz was scheduled to appear before the Board at 2:00 P.M.; he was delayed and arrived after the meeting had adjourned. Mr. Luiz's letter was considered as the last item on the day's agenda. Mr. Gomez excused himself from the consideration of this matter. Mr. Luiz' letter is shown on Minute Pages 4259-4260.

It was moved by Mr. Trimble and seconded by Mr. Porcarello that Mr. Luiz' request for a waiver of Parts 1 and 2 of the Fundamentals of Engineering examination and that he be granted registration based upon his previous registration be denied. Motion passed.

Willis, Brayton Perry, Jr. 77-573

Mr. Willis' request for reconsideration of his failing grade (53%) on Part 4 of the April 1979 Sanitary Engineering examination is shown on Minute Page 4261.

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that Mr. Willis' request be denied. Motion passed.

Langland, Leo Lee 79-130

Mr. Langland's letter is shown on Minute Pages 4262-4264. He requested that the Board reconsider the Engineering Evaluation Committee's recommendation to hold him for Parts 1,2,3 and 4 of the Geological Engineering examination and that Parts 1 and 2 be waived.

It was moved by Dr. O'Bannon and seconded by Mr. Trimble that Mr. Langland's request be denied. Motion carried.

Reavis, Richard Eugene 79-172

Mr. Reavis requested that the Board reconsider the Engineering Evaluation Committee's recommendation that he be held for Parts 3 and 4 of the Civil Engineering examination and that he be granted registration based upon his previous registration by education and experience. His letter is shown on Minute Page 4265.

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that Mr. Reavis' request be denied. Motion carried.

Eberline, Rex L. 79-210

Mr. Eberline requested reconsideration of the Engineering Evaluation Committee's recommendation that he be held for Parts 3 and 4 of the Civil Engineering examination and that he be granted registration based upon his previous registrations by education and experience (and brief oral exam in

READING OF COMMUNICATIONS--contd.

California. Mr. Eberline's letter is shown on Minute Pages 4266-4267.

It was moved by Dr. O'Bannon and seconded by Mr. Porcarello that Mr. Eberline's request be denied. Motion carried.

Western Conference State Architectural Registration Boards
Letter shown on Page 4268 concerning Fall Interim Meeting in 1979 and in future years.

It was moved by Mr. Gomez and seconded by Mr. Caruso that the Board authorize travel funds for one person to attend this meeting. Motion carried.

Yellow Pages Advertising

Letter requesting Board to work with Attorney General in his attempt to stop false advertising in the yellow pages by those who say they have state professional licenses is shown on Pages 4269-4270.

The Board requested that the Executive Director write a letter to the Attorney General, approving his efforts to eliminate such false advertising in the yellow pages, offering the Board's assistance in this matter, and asking that the telephone company be requested to require registration numbers of all persons listed in the yellow pages and in the application for listing.

UNFINISHED BUSINESS

None.

NEW BUSINESS

Mr. Edson reported to the Board the highlights of the June 20-23, 1979 annual meeting of the National Council of Architectural Registration Boards.

Dr. Jimenez reported the highlights of the August 5-8, 1979 annual meeting of the National Council of Engineering Examiners.

Mr. Earley reported the highlights of the August 24-25, 1979 annual meeting of the Council of Landscape Architectural Registration Boards.

Examination Schedules

Schedules for November 3-4, 1979 and December 10-11, 1979 are shown as Pages 4271 and 4272.

A motion made by Dr. O'Bannon, seconded by Mr. Porcarello and unanimously carried approved the schedules as shown.

Mr. Caruso suggested that consideration be given by the Board to the establishment of a separate committee (similar to the Grievance Committee of a few years ago) to review and evaluate complaints. This suggestion was referred to the Evaluation Committees for their recommendations.

NEW BUSINESS--contd.

As previously scheduled, the next regular meeting of the Board will be Thursday, December 6, 1979. The meeting will be held at Arizona State University's College of Architecture.

Election of Officers

Mr. Goodwin moved to elect Mr. Rod Gomez as Chairman of the Board. Mr. Porcarello seconded the motion. Motion carried unanimously.

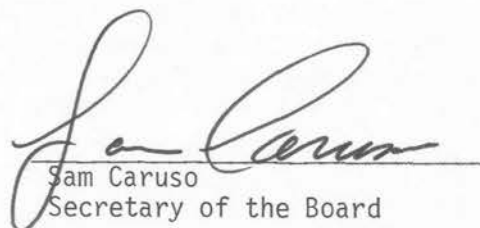
Mr. Trimble moved to elect Mr. Kemper Goodwin as Vice Chairman of the Board. The motion was seconded by Mr. Caruso and unanimously carried.

Mr. Porcarello moved to elect Mr. Sam Caruso as Secretary of the Board. Dr. O'Bannon seconded the motion. Motion passed unanimously.

ADJOURNMENT

Dr. O'Bannon, on behalf of the Board, expressed the Board's thanks for the gracious hospitality of the Engineering Department of the Northern Arizona University.

It was moved by Mr. Porcarello and seconded by Mr. Trimble that the meeting be adjourned, there being no further business before the Board. Motion carried. Meeting adjourned at 3:20 P.M.


Sam Caruso
Secretary of the Board

Patrick A. Porcarello
Secretary of the Board

EXECUTIVE COMMITTEE MINUTES

August 27, 1979

A meeting of the Executive Committee was held in the office of the Board, 1645 W. Jefferson, Phoenix, Arizona on August 27, 1979 at 4:00 P.M.

PRESENT

F. Mark Edson, Chairman
Rod J. Gomez, Vice Chairman
Patrick H. Porcarello, Secretary
Sam Caruso
Wayne O. Earley
Kemper Goodwin
Charles E. O'Bannon

ABSENT

Rudolf A. Jimenez
John B. Trimble

All members of the Committee had previously received a draft report of the Auditor General's performance audit of the State Board of Technical Registration, and a consensus of comments was drafted for submittal to the Auditor General to be included with the final report. A copy of the comments is attached.

A group of suggestions for changes to the Technical Registration Act was presented by Mr. Earley and was referred to the Legislative Committee for review.

Patrick H. Porcarello
Secretary of the Board

COMMENTS ON PERFORMANCE AUDIT
by State Board of Technical Registration

FINDING I

The State Board of Technical Registration has been remiss in its duty to protect the safety, health and welfare of the public.

COMMENTS:

- a. On Summary Recommendations, Page 3.

Board in past years emphasized careful evaluation of applicants for registration as a preferred means of assuring satisfactory performance by licensees. Board recognizes the need for increased effort in the investigation of complaints and agrees that Recommendations 1, 2 and 3 are some of the means to achieve better enforcement of standards of professional practice. Board will request an increase in staffing level and budget to support this effort.

- b. On Specific Recommendations, Pages 39-40.

Board agrees with Recommendations 1 and 2. The 1980-81 budget request calls for an additional staff member that will allow the Executive Director to conduct more field investigations and to work closely with Building Safety Departments throughout the state.

Board agrees with Recommendation 3. Since June 1978 all board meetings have been taped and kept on file, and taping of committee meetings with written summaries in files and appended to board meeting minutes is being expanded.

Board agrees with Recommendation 4 and notes that since March 1979 a news summary (including complaint actions) of each board meeting has been mailed to newspapers, building departments and professional and technical societies within the state. An expansion of this effort is in order.

Board agrees with Recommendation 5 and in July 1979 increased the license renewal fee from \$10 to \$15 annually (effective for 1980) in order to balance its budget and increase its investigative efforts.

Board agrees with Recommendation 6 and notes that it prefers a formal complaint prior to board action, but does not require it. Of 19 complaint files opened in 1979 to this date (August 31) eight were based upon informal letters of complaint or information.

- c. On Recommended Amendments to A.R.S. 32-101, et seq., Page 40.

Board agrees with need for additional punishment options, such as proposed by Recommendation 1.

Board disagrees with Recommendation 2 and would require courts, insurance carriers and licensees to report judgments or settlements in cases involving fraud, deceit, negligence or incompetence.

Board disagrees with Recommendation 3 and would encourage instead of require licensees to report known violations. To "require"

licensees to report has certain "police state" inferences that are unsavory. A Code of Ethics for the professions as a part of the statutes might be a more effective means to accomplish the desired results.

Board agrees with Recommendation 4.

Board disagrees with Recommendation 5 and believes that restitution properly is the province of arbitration boards and civil courts.

Board and Attorney General should seek to include the Attorney General (through the assistant assigned to the Board) more completely in all Board deliberations, and therefore overcome the need for independent action by the Attorney General as proposed by Recommendation 6.

FINDING II The absence of written policies and adequate records of proceedings precludes a determination that the Board of Technical Registration has exercised its discretionary authority in the public interest.

COMMENTS:

- a. On Summary Recommendations, Page 3.

In support of Recommendations 4 and 5, Board will continue its recent efforts to establish additional rules and policies describing its interpretation of its discretionary powers regarding satisfactory experience and the criteria for waiver of examinations. Additional documentation of committee deliberations and decisions is desirable and will be forthcoming, with proper regard paid to freedom of information and privacy statutes.

- b. On Specific Recommendations, Page 56.

Board agrees with Recommendation 1. In early 1979 the Board adopted formal evaluation criteria for architects and is continuing its efforts to adopt common criteria for other disciplines wherever practical and whenever professional judgment allows it.

Board agrees once again with need for better documentation, as expressed in Recommendation 2.

Board agrees with Recommendation 3 and will instruct its staff to comply.

FINDING III Changes needed to improve the efficiency and effectiveness of the State Board of Technical Registration.

COMMENTS:

- a. On Summary Recommendations, Page 3.

See Board comments in Paragraph b below as they apply to Summary Recommendations 6 - 8.

Board of Technical Registration

b. On Specific Recommendations, Pages 65 and 66.

Board agrees with Recommendation 1 that a multi-year renewal system appears desirable.

Board agrees with Recommendation 2. Most comity applications (applicants already registered in another state with requirements equal to those in Arizona) could be evaluated satisfactorily without the personal audience. However, applications from non-registrants should be subject to a personal audience without exception.

Board agrees with Recommendation 3. The annual roster is a heavy expense to the Board and of questionable value to the bulk of the licensees.

Board disagrees with Recommendation 4, noting that denials are issued after proper deliberation, and the one-year wait is invoked only in those cases where applicants have repeatedly failed to comply with board requirements.

Board agrees with Recommendation 5.

FINDING IV

The State Board of Technical Registration has been substandard in its encouragement and use of public input in its operations. Information regarding meeting notices, proposed rules and regulations, and Board action has not been adequately provided to licensees of the Board or the consumers of the licensees' services.

COMMENTS:

On Recommendation 9, Page 3 (See also Page 76).

Board agrees with Recommendation 9. Board recognizes this weakness and has begun efforts to improve information dissemination (see comments on Specific Recommendation 3 under Finding I). Board will request increase in staffing level and budget to support this effort.

Agnew, Kenneth Robert	79-241	Storrs, Wayne A.	79-545
Ameling, James Edward	79-406	Strite, Billy Ray	79-358
King, James S.	79-302	Tuzler, Everett Lane	79-307
Craft, Robert Stephen	79-88	Weber, Harry James	79-489
Yatsaka, Tsugio T.	79-495	Woolinger, Fredric	79-317
		Wilkes, Michael Benny	79-368

The following applicants, having appeared before the committee for a personal audience interview, need demonstration of additional evidence of their proficiency (i.e., 12-12-81), and it is recommended to the Board that these individuals be held for written examinations in December 1979 and June 1980:

August 28, 1979

TO: Board of Technical Registration
 FROM: Architectural Evaluation and Examination Committee
 SUBJECT: Evaluation of Applicants

The Architectural Evaluation Committee met July 6, 1979 and August 23, 1979 in Phoenix, Arizona with the following members present:

July 7 Mark Edson, Kemper Goodwin
 August 23 Mark Edson, Kemper Goodwin, Patrick Porcarello

There being a quorum present at all times, the committee held personal audience interviews and considered other items of Board business and makes recommendations to the Board as indicated.

- The following applicants, having appeared before the committee and satisfied the committee that they are fully qualified (including the treatise on seismic forces) to receive architectural registration in Arizona under A.R.S. 32-123.A and A.R.S. 32-126, are hereby recommended for registration:

Beecher, Harold Kline	79-305	Larsen, Robert J.	79-306
Bell, K. Stanley	79-208	Loarie, Richard Peter	79-215
Bird, James Wright	79-417	Long, Kay Darwin	78-685
Brady, James Michael	79-479	Lord, Ernest Raymond	79-354
Call, Gary La Mar	79-463	Mardirosian, Aram Haig	79-418
Cantrell, Billie Warren	79-351	Matchey, Joseph F.	79-450
Carlson, Carl William	79-427	Minich, Gerald	79-428
Christensen, Quintin Verlin	79-352	Nadel, Herbert Nathan	79-480
Cushman, Ted Junior	79-432	Nicolais, Robert Dorio	79-461
Dietz, Robert Allen	79-416	O'Neill, John Miles	79-429
Dvoretzky, Eugene Nathan	79-528	Ortmann, Edward J.	79-413
Ertman, Gardner	79-260	Perner, Ronald Anthony	79-481
Fletcher, William LaVenture	79-361	Pollak, Jerry L.	79-99
Hasan, Zamir	79-388	Scholz, John Bernard	79-530
Hilburn, William G., Jr.	79-360	Shannon, John Blair	79-355
Huston, Richard Eli	79-359	Sinclair, George Lester	79-447
Hyman, David Solomon	79-353	Stewart, John Malcolm	79-464
Hyosaka, Kenneth Makoto	79-241	Storrs, Wayne A.	79-548
Jenkins, James Edward	79-406	Strite, Billy Ray	79-356
King, Thomas O.	79-302	Tozier, Everett Lane	79-307
Kraft, Robert Stephen	79-88	Weber, Henry James	79-499
Kusakabe, Tomio T.	79-495	Wemlinger, Fredric	79-311
		Wilkes, Michael Berny	79-358

- The following applicants, having appeared before the committee for a personal audience interview, need demonstration of additional evidence of their proficiency (A.R.S. 32-123.B), and it is recommended to the Board that these individuals be held for written examinations in December 1979 and June 1980:

Ellsworth, Paula Mary	79-347	Prof.Exam/Section B
Heath, Michael Don	79-405	Prof.Exam/Section A-Design
Higgins, Joseph Heber	79-404	Prof.Exam/Section B
Hallmark, Michael Lee	79-348	Prof.Exam/Section B
Lort, Joseph McCrea, Jr.	79-303	Qual.Test;Prof.Exam/Sections A,B
Radoccia, Reynold Paul	79-225	Prof.Exam/Section B
Rinck, Michael Stephen	79-414	Prof.Exam/Section B
Shapiro, David Lawrence	78-296	Prof.Exam/Section A-Design
Smith, Cheryl Denise	79-430	Prof.Exam/Section B
Webb, Joe Douglas	79-313	Prof.Exam/Section A-Design

3. ROSEN, SHELDON D. 78-295
The committee recommends Mr. Rosen for professional registration based upon an oral examination and portfolio review.
4. MARRO, RAY M., Jr. 78-613
Mr. Marro requested an extension of his Personal Audience. The committee recommends denial of this application for failure to complete the requirements of the Board in a reasonable length of time.
5. AL-ALAWI, KAMAL 77-525
Mr. Al-Alawi requested credit for a Design exam he passed in Nebraska in 1976. The committee recommends denial of this request.
6. CORACIDES, BASILIO B. 72-103
Mr. Coracides requested a waiver of Parts B,C,D of the Qualifying Test. The committee recommends that the Board grant credit for Part B passed in June 1979 and Part D passed in June 1978, but that Mr. Coracides continue to be held for Part C.
7. RETENTION OF OLD EXAM FILES
The Committee recommends that the Board keep one copy of all old exams for historic purposes.
8. COMPLAINTS
The Committee reviewed the following complaints and recommends Board action as shown:
- 79-007 TRB vs. BENEDICT
Benedict was referred to in a news article as an architect as a result of an interview regarding a new home he had designed. His resume for clients' use also tended to indicate he was a registrant. Benedict held that he always told clients (and news reporter in the interview) that he was not registered, although he was a graduate of ASU School of Architecture. Benedict agreed to be even more careful in the future to not infer that he is registered. Committee recommends that the file be closed and Benedict be so notified.
- 79-009 SWANSON vs. BENEDICT
As a result of a dispute with the client on the new home project discussed in Complaint 79-007, the client alleged that Benedict was practicing architecture without a license. Client admitted in an affidavit that Benedict told him he was not licensed, but client did

not understand the meaning of licensing at the time. Benedict was not required to be licensed in order to design houses, as in this case. Benedict also acted as building contractor, and client's dispute stems more from contractor performance than anything else. Benedict also used AIA's standard contract documents with his firm name superimposed, thus unintentionally using documents with the title "architect" appearing throughout, a misleading act. As in Complaint 79-007 Benedict agreed to be more careful in the future not to infer that he is registered and to refrain from using the AIA's standard contract document without proper alterations to eliminate the title "architect". Client also filed complaint with Registrar of Contractors concerning Benedict's performance as a contractor. The Committee recommends that this file be closed and that all parties be advised of the Board's action.

79-008 KECK vs. RAND

The Committee recommends that Rand be invited to appear before the full Board to discuss the events leading up to this complaint.

79-012 KIRK vs. FELLOWS

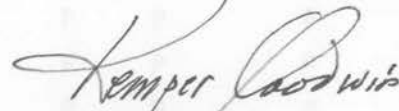
Client alleged misconduct on the part of Fellows during his engagement as architect on construction of South Phoenix Community Medical Center. Fellows answers to the allegations appear reasonable and suggest that client did not understand the financial and contractual requirements of the project, which was built with federal funds and supervised by federal and state agencies. Arizona State Health Services' staff supports Fellows in this matter. It and the other public agencies involved would seem to have given the client proper protection against any misconduct by Fellows. Committee believes no valid complaint exists and recommends that the file be closed. All parties are to be notified of the Board's actions.

79-015 HOOD vs. BROCK

Committee recommends further investigation into this complaint based upon possible discrepancies between exhibits and affidavits.

9. The Architectural Examination Committee met August 23, 1979 in Phoenix, Arizona to review the results of the examinations given in June 1978. The Committee recommends that the results as shown on the pages following this report be certified.

Respectfully submitted,



Kemper Goodwin
Chairman

ARCHITECTURAL EXAMINATIONS
JUNE 12-13, 1979

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APP.NO.	ARCHITECTS NAME	QUALIFYING TEST				PROF. EXAM (A)-Design	PASSED JUNE 1979
		A	B	C	D		
77-525	Al-Alawi, Kamal	P	P	P	P	F	A,B,C,D
78-487	Beall, Robert Glenn					F	
* 79-52	Becker, John Carl					P	(A)
71-414	Biddle, Warren Robert	P	F	P	F	F	C
79-255	Brigham, Stephen King					P	(A)
78-209	Brookfield, Ronald G.					F	
78-718	Brooks, John Lynn					NT	
79-134	Brownfield, Ronald Wayne					P	(A)
78-379	Campbell, Gary Alan	P				F	A
79-256	Carr, John David					P	(A)
79-257	Carson, Christopher Warren					P	(A)
79-207	Case, Phillip D.					F	
78-516	Christensen, Danny Dale					F	
72-103	Coracides, Basilio B.		P	F	F		B
79-223	Cortez, Ernest Louis	P	F	P	F	F	A,C (Record)
* 78-612	de la Torre, Jorge Miguel					P	(A)
79-176	Dincecco, Robert J.					P	(A)
77-180	Dooling, David Paul					P	(A)
74-499	Duncan, Clarence Douglas	F	P	P	F		B,C
78-1	Eaton, Bruce Edward	P	F	P	F		A,C
77-167	Famous, George W.					F	
76-385	Fischbach, George Thomas					F	
* 77-199	Frerking, Michael Huebert					P	(A)
78-539	Guzman, Gabriel Fernando	F	F	F	F	F	
78-291	Hakim, Besim Selim					F	
* 75-479	Hinkle, Clyde Wallace	P					A
* 77-483	Hodges, Thomas Ronald					P	(A)
78-244	Houghton, Jack Edward					F	
78-217	Hryb, Roman John	F	F	P	P	F	C,D
79-30	Islam, Md. Rafiqul	P	P	F	P	P	A,B,D,(A)
78-118	Jonas, Glenn Allen	P	P	P	P	P	B,C,D
79-233	Kabobel, Gary Alexander					F	
76-448	Kelly, Tommy James					F	
78-144	Kimball, William T.					F	

* All requirements completed
NT Not taken

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APP.NO.	NAME	QUALIFYING TEST				PROF. EXAM (A)-Design	PASSED JUNE 1979
		A	B	C	D		
71-318	Kopecek, Josef Robert					F	
78-431	Kovacs, Laszlo	F	F	P	P	P	C,D,(A)
* 77-496	Ladd, Stephen Gary					P	(A)
78-490	Lockhart, Brian					F	
78-324	Love, James Ray					NG	
74-538	Lucero, Edward Horta	F	P	P	P		B,C,D
* 77-663	Ludwig, Neil Milton	-	P	P	P	P	B,C,D,(A)
78-527	Marcellus, Russell Philip					P	(A)
78-723	Marino, Valentino					F	
78-491	Mayoras, Douglas Allen					F	
78-470	Mazziotti, Vincent G.					F	
* 78-194	McCollum, Tommy Robert					P	(A)
78-542	Meyer, Walter Blaine					F	
79-142	Miles, Brian Dale					F	
78-471	Nickerson, Edwin Walter	F	F	P	P	P	C,D,(A)
* 77-514	Nolan, James Arthur					P	(A)
* 76-134	Otwell, William S.					P	(A)
78-380	Palmeri, Richard Paul	F	F	F	F	F	
* 77-430	Patterson, Jon Barry					P	(A)
79-275	Paul, Eric Bradford					F	
78-46	Ransom, William H.	F	F	P	F		C
* 78-608	Reece, Michael Eugene					P	(A)
75-358	Robison, Robert C.	F					
79-180	Rumel, Scott Sorensen					F	
79-190	Saba, Gary Morris					P	(A)
79-234	Sachleben, Nicholas					F	
78-494	Sakellar, Constantine N.					P	(A)
* 77-540	Schmitt, David Leo					P	(A)
* 78-495	Scott, Alan VanCleave					P	(A)
78-545	Sipos, Henry Louis	F	P	P	P	P	B,C,D,(A)
* 78-615	Smith, Ronald Wilmer					P	(A)
* 78-511	Stefano, Gerald Lee					P	(A)
78-250	Stockton, Paul Barten					F	
78-512	Tone, Robert Charles	F	F	P	P	F	C,D
76-443	Trice, Glenn Eugene					F	

NG Not graded.

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APP. NO.	NAME	QUALIFYING TEST				PROF. EXAM (A)-Design	PASSED JUNE 1979
		A	B	C	D		
78-548	Tudan, Jonathan Alan					F	
* 78-496	Ward, Steven Wolford					P	(A)
78-301	Wetzel, Thomas Joseph					F	
<u>ARCHITECTS-IN-TRAINING</u>							
* 78-3	Adams, Vincent S.	P	P	P	P	P	B,C,D
79-40	Ahern, Lawrence P.	P	F	P	P	P	A,C,D,(A)
* 79-79	Ainsworth, Teresa Lynn	P	P	P	P	P	A,B,C,D,(A)
79-41	Anderson, Clark Lynn	P	P	P	P	F	
* 79-42	Andros, Stephen John	P	P	P	P	P	A,B,C,D,(A)
* 79-43	Barber, Richard A.	P	P	P	P	P	A,B,C,D,(A)
79-10	Bartels, Kenneth C.	P	F	P	F	F	A,C
79-1	Bender, Shirley Elizabeth	P	P	P	P	NG	A,B,C,D
* 79-44	Benton, Jon Michael	P	P	P	P	P	A,B,C,D,(A)
79-45	Berhalter, Dennis	P	P	P	P	F	A,B,C,D
79-46	Bohn, Stephen Charles	NT	NT	NT	NT	F	
78-1	Bollogh, Richard W.	P	F	P	P	NG	A,C,D
78-31	Brizee, William A.	P	P	P	P	F	
79-37	Brown, Robert Montgomery	P	F	F	F	F	A
* 79-47	Brownlie, Michael Carson	P	P	P	P	P	A,B,C,D,(A)
78-36	Burns, Robert William	P	F	F	F	P	(A)
79-49	Campos, Xavier S.	NT	NT	NT	NT	F	
79-50	Carter, William Daniel	F	NT	NT	NT	F	
79-51	Casey, George H., II	NT	NT	NT	NT	F	
79-11	Chonka, John	P	P	P	P	F	A,B,C,D
78-2	Coombs, Vivien Paternayan	P	P	P	P	F	
* 79-52	Cooper, Clifford Brent	P	P	P	P	P	A,B,C,D,(A)
79-2	Coor, Roger Bryan	P	P	P	P	F	A,B,C,D
77-14	Cox, Val M.	P	P	P	P	F	
* 79-86	Crowe, Todd William	P	P	P	P	P	A,B,C,D,(A)
79-12	Davidson, Stephen Richard	P	F	P	P	P	A,C,D,(A)
79-53	Davis, Patrik Howard	P	P	P	P	F	A,B,C,D
77-3	Dawson, Bruce L.	P	P	P	P	F	
79-54	Diebold, David Alan	NT	NT	NT	NT	P	(A)

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APP.NO.	NAME	QUALIFYING TEST				PROF. EXAM (A)-Design	PASSED JUNE 1979
		A	B	C	D		
79-3	Dieterich, David D.	P	P	P	P	F	A,B,C,D
78-38	Dounay, Kent Douglas	F	F	P	P	P	C,D
79-55	Ebrahim, Mohamed Afzal	NT	NT	NT	NT	F	
* 79-56	Elliott, Robert William, Jr	P	P	P	P	P	A,B,C,D,(A)
* 78-21	Fairbourn, Richard D.	P	P	P	P	P	B,C,D
79-4	Fox, Daniel Lawrence	P	F	P	F	F	A,C
74-71	Frisina, Frank P.	P	F	P	P	P	C,D
78-20	Frost, Marc C.	P	P	P	P	F	
79-13	Gajdorus, Carl	P	F	P	P	P	A,C,D,(A)
79-14	Garcia, Oscar Manuel	F	F	P	F	P	C,(A)
79-15	Godfrey, Preston Noel	NT	NT	NT	NT	F	
* 79-57	Goff, David N.	P	P	P	P	P	A,B,C,D,(A)
79-58	Graham, Bradley H.	P	F	P	F	F	A,C
79-61	Harrison, Richard K.	P	P	P	P	F	A,B,C,D
79-16	Haskell, Paul F.	P	F	P	P	F	A,C,D
* 79-63	Himmelberger, Douglas R.	P	P	P	P	P	A,B,C,D,(A)
79-17	Hubbard, Joseph A.	P	F	P	P	P	A,C,D,(A)
79-62	Jacobs, Tom S.	P	F	P	P	NG	A,C,D
79-85	Johnson, Faye E.	F	F	F	F	F	
79-18	Kaneko, Yoshimasa	NT	NT	NT	NT	F	
* 78-37	Kellner, Robert	P	P	P	P	P	A
78-39	Kennedy, Glenn Ray	F	F	F	F	F	
* 78-40	Kennedy, Keith Karl	P	P	P	P	P	(A)
79-5	Kesler, Gerald R.	F	F	P	P	P	C,D,(A)
79-64	Kirschenbaum, Eddie	P	F	P	P	F	A,C,D
79-6	Klein, James Erwin	P	F	P	P	P	A,C,D,(A)
* 79-65	Lancashire, Scott A.	P	P	P	P	P	A,B,C,D,(A)
79-7	Limmer, Mitchell					F	
75-109	Lindquist, Bruce Lowell	F	P	P	P	P	
79-87	Linneen, Dave	P	P	P	F	P	A,B,C,(A)
79-66	Lucchesi, Raymond John	P	P	P	P	F	A,B,C,D
79-19	Maher, Joseph S., Jr.	P	F	F	P	F	A,D
79-67	Mahoney, John Hartley	P	F	P	P	P	A,C,D,(A)
79-68	Martin, Gregg A.	P	F	P	P	-	A,C,D
79-69	Martinez, Anastacio	NT	NT	NT	NT	P	(A)
78-41	Massengill, Robert L., Jr.	F	F	P	F	P	C

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APP.NO.	NAME	QUALIFYING TEST				PROF. EXAM (A)-DESIGN	PASSED JUNE 1979
		A	B	C	D		
79-35	Mauldin, Robert Leo	F	P	P	P	F	B,C,D
78-42	Maurer, James William	P	P	P	P	F	A,B,C,D,(A)
79-20	Mendoza, Frank Manuel	NT	NT	NT	NT	F	A,B,C,D
78-43	Meyer, James Chauncy Mead	P	P	P	P	F	A
* 79-21	Michel, William C.	P	P	P	P	P	A,B,C,D,(A)
79-22	Milburn, Michael Wayne	P	P	P	P	F	A,B,C,D
* 78-13	Mittelstaedt, Jan L.	P	P	P	P	P	B,C,D
79-23	Mitz, Debra	P	F	F	F	F	A
78-44	Morales, Roland C.	P	F	P	F	F	C
79-70	Mullins, Paul Micheal	F	F	P	P	F	C,D
79-71	Murphy, Neil Egly	P	P	P	P	F	A,B,C,D
* 79-72	Nobles, Carl Freiler	P	P	P	P	P	A,B,C,D,(A)
* 77-4	Nord, William Charles,IV	P	P	P	P	P	(A)
* 79-24	Olson, Victor Edward	P	P	P	P	P	A,B,C,D,(A)
79-73	Ong, Curtis Dean	P	P	F	P	F	A,B,D
79-25	Ortega, David Damian	P	P	P	P	F	A,B,C,D
79-26	Pashkowski, Geoffrey Lynn	F	F	P	P	F	C,D
79-74	Patry, Daniel P.	P	P	P	P	F	A,B,C,D
* 79-27	Porter, Marley Ervin	P	P	P	P	P	A,B,C,D,(A)
79-8	Raman, Balakrishnan Kunji	P	F	F	P	F	A,D
79-28	Ray, Duane Phillip	NT	NT	NT	NT	P	(A)
79-75	Reeves, Bruce Alan	P	P	P	P	F	A,B,C,D
79-29	Reid, Robert	NT	NT	NT	NT	P	(A)
78-7	Reigle, Richard M.	P	P	P	P	F	
79-9	Rodriguez, Tony F.	P	P	P	P	F	A,B,C,D
78-15	Sandoval, Robert	P	F	P	P	P	C,D,(A)
* 78-24	Sedor, Stephen E.	P	P	P	P	P	(A)
79-76	Shannon, Mark H.	NT	NT	NT	NT	F	
78-32	Slife, Curtis L.	P	F	F	P	F	D
* 79-77	Sperr, Douglas Charles	P	P	P	P	P	A,B,C,D,(A)
* 78-6	Steill, Roger Wallace	P	P	P	P	P	B,C,D,(A)
79-30	Stickley, Martin	NT	NT	NT	NT	F	
79-36	Stroh, Douglas Donald	P	F	P	P	F	A,C,D
* 79-78	Thompson, David Olian	P	P	P	P	P	A,B,C,D,(A)

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APP.NO.	NAME	QUALIFYING TEST				PROF. EXAM (A)-DESIGN	PASSED JUNE 1979
		A	B	C	D		
77-6	Tilton, Webster, III	P	F	P	P	F	C, D
* 79-31	Todd, Gary Daniel	P	P	P	P	P	A, B, C, D, (A)
79-32	Todd, Stephen Randall	P	P	P	P	F	A, B, C, D
* 79-80	Tom, Richard Fe	P	P	P	P	P	A, B, C, D, (A)
78-25	Uerkvitz, Kent J.	P	P	P	P	F	
79-33	Uhler, Michael F.	NT	NT	NT	NT	P	(A)
79-81	Vartanian, Henrik	F	P	P	F	F	B, C
79-34	Veal, James W.	P	P	P	P	F	A, B, C, D
78-19	Vinson, Mark	P	P	P	P	F	
76-19	Wagner, Paul Walter	P	P	P	P	F	
* 79-39	Ward, Thompson Stewart	P	P	P	P	P	A, B, C, D, (A)
78-22	Willis, Dennis Wayne	P	P	P	P	F	
79-82	Wilson, David Paul	P	F	P	F	P	A, C, (A)
77-18	Wong, Rodin Yin-Leung	F	P	P	P	P	B, C, D
79-83	Wulf, Verner W.	P	P	P	P	F	A, B, C, D

79-230	Winkler, Donald Lee
79-318	Lietz, Heinz Joachim
79-255	Barthless, Alan James
79-264	Blifford, Ronnie Lee
79-193	Polster, Wallace L.
79-442	Small, Charles Frederick
79-332	Schiffels, Leslie
79-370	Stephens, Donald R.
79-174	
79-171	
79-201	
79-294	
79-310	
79-315	
79-298	
79-372	
79-12	
79-421	
79-306	
79-232	
79-158	
79-331	
79-391	
79-298	
79-324	
79-317	
79-290	
79-295	
79-407	

79-309	
79-302	
79-190	
79-402	
79-367	
79-308	
79-319	
79-292	

MECHANICAL ENGINEERING

79-34	Allardice, Joseph R.
79-209	Brannon, Samuel
79-270	Flackham, Larry L.
79-307	Gentry, Curtis W. (Sr.)
79-307	Kelley, James
79-438	Plowden, Bernard L.
79-91	Porcetti, Thomas Hector (Sr.)
79-344	Sims, Sam E.
79-454	Verbeke, Frank Howard (Sr.)
79-358	Walker, Edward F.
79-348	Welch, Patrick J. (Sr.)

PETROLEUM ENGINEERING

79-425	Wagner, Arthur Elmer
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TO: State Board of Technical Registration August 21, 1979
 FROM: Engineering Evaluation Committee
 SUBJECT: EVALUATION OF APPLICANTS

The Engineering Evaluation Committee met July 12-13, 1979 and August 16-17, 1979 in Phoenix, Arizona with the following members present:

July 12	Sam Caruso, R.A. Jimenez
July 13	Rod Gomez, John Trimble
August 16	Charles O'Bannon, Rod Gomez
August 17	R. A. Jimenez, John Trimble

There being a quorum present at all times, the Committee reviewed the following applicants, considered other items of business, and makes recommendations as indicated.

- The following applicants, having appeared before the Committee and having satisfied the Committee that they are fully qualified to receive registration in Arizona under A.R.S. 32-123.A and A.R.S. 32-126, are hereby recommended for registration:

CIVIL ENGINEERING

Bigelow, Stanton Warren	79-230
Brock, Robert Pascal Ershig	79-318
Cannon, James Robert	79-265
Carrier, David R.	79-264
Clark, Donald Robert	79-193
Coen, Steven Daniel	79-442
Cornwell, Alan Gregory	79-332
Duncan, John Richard	79-370
Gaston, N. Pierre	79-324
Greengard, Arthur James (Jr.)	79-171
Holt, Stephen A.	79-201
Honaker, Arthur Charles	79-284
Kavthekar, Bhalchandra Shankar	79-330
Lueck, Curtis Calvin	79-336
McCullough, Charles Francis	79-280
McLaughlin, John M.	79-372
Nolten, Roddy Juul	79-12
Obermeyer, Elmer Joseph (Jr.)	79-431
O'Connor, Paul Martin	79-396
Pretti, Clyde Louis	79-232
Ransom, Gaylord Rick (III)	79-158
Ruffalo, George Albert	79-331
Sawyer, Frederick Hellmann	79-371
Spaulding, Stuart Allen	79-398
Volpe, Richard L.	79-325
Wallace, George Emerson (III)	79-317
Weddle, Clark L.	79-290
Williamson, John Arthur	79-295
Breyer, Paul Nicholas	79-457

ELECTRICAL ENGINEERING

Hinkle, Donald Lee	79-380
Lietz, Heinz Joachim	78-586
Matthews, Alan James	79-189
Milford, Ronnie Lee	79-402
Painter, Wallace C.	79-143
Revell, Charles Frederick	79-309
Rothstein, Leslie	79-310
Stephens, Ronald M.	79-252

MECHANICAL ENGINEERING

Allerdice, Joseph M.	79-84
Brandman, Samuel	79-226
Flashberg, Larry S.	79-378
Guernsey, Curtis H. (Jr.)	79-387
McCoy, Joe	79-342
Planells, Hernando L.	79-436
Purcell, Thomas Hector (Jr.)	79-95
Sirmen, Samim Ismail	79-344
Verbeke, Frank Girard (Jr.)	78-654
Volker, Edmund F.	79-299
Welch, Patrick J. (Sr.)	79-345

PETROLEUM ENGINEERING

Houser, Arthur Riggs	79-426
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SANITARY ENGINEERING

Knickerbocker, Kenneth Louis	79-289
Uhler, Robert Bruce	79-433

STRUCTURAL ENGINEERING

Chlarson, Michael Dennis	79-322
Clinton, John Edward	79-196
Gupta, Ashok Kumar	79-94
Shapiro, Daniel	79-316

ENGINEER-IN-TRAINING

Angelo, Dennis	79-37
Beck, Edmond A.	79-107
Belshe, Mark Lawrence	78-210
Bond, James Earl	78-35
Bradford, Jon C.	78-203
Chase, David Paul	79-7
Davis, Robert Allen	78-190
Dooley, Philip Eugene	76-192
Dreyer, Lawrence LeRoy	79-58
Ehman, Zina Maria	78-215
Ellefson, Chris S.	78-216
Engler, Robert Birch	79-60
Evjen, Randolph M.	78-219
Genaux, Maia E.	78-221
Grosvenor, Peter James	78-179
Hadden, Kenneth Alan	79-66
Haley, Stanley Warren	79-67
Haub, Gary L.	79-69
Heath, Byron R.	79-120
Heckathorn, Lawrence John	78-177
Hosea, Thomas James	78-229

GEOLOGY

Scacifero, Anthony J.	79-263
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LAND SURVEYING

Friddell, Richard Earl(Sr.)	79-367
Potter, Charles Gerald	79-293
Shaffer, Wade Henry	79-326
Weisman, Albert Otto	79-156
Dobbs, Douglas Cary	79-169

Jacquemin, Christopher Loy	78-181
Kececioglu, Zoe Diana	79-121
Keegan, Miles William	78-114
Kershner, Charles	79-79
Kenly, Rod B.	79-42
Lane, Richard	78-238
Mach, John Theodore	78-57
Marum, Patrick William	77-211
Meyer, Jama K.	78-243
Neenan, James Joseph	78-245
Newell, David George	76-176
Peters, Joseph R.	79-45
Rahrig, Charles Kevin	79-91
Reed, Walter D.	78-247
Rosoff, Henry	78-254
Stambaugh, Steven Randall	78-253
Stratton, Mark Raymond	78-258
Telson, Stanley A.	78-166
Turner, Mark S.	79-100
Walter, Nanch Jean	78-187
Wilson, Dennis C.	78-126
Woodson, Mark Wynter	78-30

2. The following applicants, having appeared before the Committee for a personal audience interview, need demonstration of additional evidence of their proficiency (A.R.S. 32-123.B), and it is recommended to the Board that these individuals be held for examinations as indicated:

CHEMICAL ENGINEERING

Nebeker, Neil J.	79-213	Parts 3, 4
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CIVIL ENGINEERING

Bucher, James D.	79-315	Parts 3, 4
Eberline, Rex L.	79-210	Parts 3, 4
Gallagher, Roger William	79-393	Parts 3, 4
Keegan, John Charles	79-434	Parts 3, 4

CIVIL ENGINEERING - contd.

Lefler, Lyle Gene	79-285	Parts 3, 4
McLaughlin, Timothy Amos	79-394	Parts 3, 4
Read, Arthur Eric	79-292	Parts 3, 4
Lively, Norman Robert	79-422	Parts 3, 4
Reavis, Richard Eugene	79-172	Parts 3, 4
Rerick, Donald Jack	79-338	Parts 3, 4
Silva, Santiago J.	79-423	Parts 3, 4
Sylvain, Michael Robert	79-373	Parts 3, 4
Woronovich, Michael	79-329	Parts 3, 4

ELECTRICAL ENGINEERING

Bagby, Barnabas Paul	79-400	Parts 3, 4
Ballis, Robert James	79-376	Parts 3, 4
Jones, Joe Carless	79-282	Parts 3, 4
Kenyon, Scott Alan	79-85	Parts 3, 4
Lawrence, William (Jr.)	79-381	Parts 3, 4
Peters, Herbert	79-435	Parts 3, 4
Seigel, Jeffrey William	79-181	Parts 1,2,3,4
Sirmen, Samim Ismail	79-343	Parts 3, 4
Thumann, Leonard E.	79-229	Parts 3, 4

MECHANICAL ENGINEERING

Burroughs, Wilbur Gordon	79-291	Parts 3, 4
Fjeld, Gordon Fred	79-77	Parts 1,2,3,4
Henwood, William Arthur	79-340	Parts 3, 4
Heutzenroeder, Dale Edsell	79-296	Parts 1,2,3,4
Lloyd, Harry James	79-179	Parts 1,2,3,4
Olsen, Julius C.	79-228	Parts 3, 4
Penney, George William (Jr.)	79-298	Parts 3, 4
Stallone, John J.	79-385	Parts 3, 4
Tretheway, Donald G.	79-236	Parts 3, 4

MINING ENGINEERING

Hodges, Paul Arthur	79-335	Parts 3, 4
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GEOLOGICAL ENGINEERING

Langland, Leo Lee	79-130	Parts 1,2,3,4
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GEOPHYSICAL ENGINEERING

Dortch, Willis Reeves	79-283	Parts 3, 4
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STRUCTURAL ENGINEERING

Gallagher, Roger William	79-392	Parts 5, 6
Tomasso, Robert Joseph	79-323	Parts 5, 6
Wemlinger, Fredric	79-333	Parts 5, 6

GEOLOGY

Allen, Timothy Joseph	78-695	Parts 1,2,3,4
Liggett, Mark Austin	79-314	Parts 3, 4

LAND SURVEYING

Arndt, Frederick W.	79-195	Parts 1,2,3,4
Attaway, Micheal Patrick	79-288	Parts 1,2,3,4
Baker, Douglas Lee	79-365	Parts 1,2,3,4
Burcham, Marcie Wayne	79-320	Parts 1,2,3,4
Christman, Gary Leroy	79-391	Parts 1,2,3,4
DePrisco, Louis P.	78-504	Part 4
Hollenbach, Thomas Bernard	79-35	Parts 1,2,3,4
Johnson, William Edward	79-221	Parts 1,2,3,4
Lloyd, Michael Merrill	79-321	Parts 1,2,3,4
O'Neal, Del	79-294	Parts 1,2,3,4
Smith, Roger William	79-364	Parts 1,2,3,4
Walker, Derle Devon	79-220	Parts 1,2,3,4

3. The following applicants, having been advised of additional requirements and having failed to respond to correspondence, are hereby recommended to the Board for denial of the application for failure to complete the requirements of the Board within a reasonable length of time:

Barbaz, Charles G.	79-109	Chemical Engineer
Frommelt, Horace	78-592	Structural Engineer
Ilgaz, Orhan M.	78-659	Civil Engineer
Lucas, David	79-48	Land Surveyor
McEnroe, Gerald Robert	79-166	Highway Engineer

4. The following applicants appeared before the Committee, and it was determined that their applications should be denied for lack of experience of a character satisfactory to the Board under A.R.S. 32-122.A with refunds as shown:

Saksena, Dharendra K.	79-419	Structural Engineer	\$10.00
Shirvani-Kenareki, Grish	79-344	Civil Engineer	\$10.00

5. BERTELLA, GUIDO J., 70-58, Civil Engineer. Mr. Bertella personally appeared before the Committee at 2:00 P.M. to discuss his application. The Committee recommends that the Board deny Mr. Bertella's request for a waiver of Part 2 of the civil engineering examination.

6. MARTINI, ALBERT DOMINIC, 79-66, Civil Engineer. This applicant requested that the branch on his application be changed from civil to sanitary engineering. The committee recommends approval of the requested change.

7. YANKOVICH, CATHERINE, 2844-Denied, Geologist. Ms. Yankovich requested reconsideration of the denial for lack of two years' experience. The committee recommends that the denial be upheld. Approximately six semester hours of additional geology courses do not significantly affect the total of satisfactory experience previously credited by the Evaluation Committee.

8. ERICSON, WAYNE ALLAN, Geologist. Mr. Ericson requested that his application be accepted, although he is a non-registered non-resident. The committee recommends that his application for registration be accepted.
9. ASPE ENFORCEMENT ASSISTANCE The Arizona Society of Professional Engineers has offered to assist the Board in controlling the use of "engineering" in business trade names. The committee recommends that the Board accept ASPE's offer.
10. NCEE EXAM CHANGES The Fundamentals of Engineering Examination has been revised, effective October 1980. The committee noted that the revisions were accepted as desirable improvements.
11. NCEE EXAMS IN NOVEMBER The committee recommends that the Board allow October evaluation recommendation to be sufficient to allow the applicant to take November exams. The committee recommends that this be implemented in 1979, if the office can handle it.
12. NCEE MINING EXAMINATION The committee proposes the use of NCEE exams for Parts 3 and 4 of the Mining examination.
13. ECPD VISITS ARIZONA STATE UNIVERSITY The Engineers' Council for Professional Development invited members of the State Boards to participate in accreditation visits as observers on visiting teams. Mr. Trimble would like to be an observer and requests Board authorization for his expenses.
14. NUMERICAL LIST IN ROSTER A letter from a registrant requesting that the numerical listing be included in the roster is being submitted to the Board for information.
15. COMPLAINTS The Committee reviewed a number of complaints and makes the following recommendations:
 - 79-010 HOLLAND vs. ENERGY ENGINEERING
Energy Engineering advertised in the Flagstaff phone directory's yellow pages. After correspondence with the Board office the parent company, Pedrick Construction Company, agreed to remove the ad from the next edition of the phone directory. Pedrick further acknowledged that they do not use the firm name of Energy Engineering. The Committee recommends that the file be closed and that all parties to this complaint be so notified.
 - 79-011 WOOD vs. DORSETT and DORSETT INDUSTRIES, INC.
The committee reviewed this file and recommends that the Board proceed with an investigation to determine if sufficient evidence exists to warrant a hearing.
 - 79-018 WOOD vs. BIDDLE
The committee reviewed this file and recommends that the Board proceed with an investigation to determine if sufficient evidence exists to warrant an investigation.

79-013 FINDLAY vs. SEVILLA
79-014 FINDLAY vs. MISCHE

Findlay, a civil engineer, alleges that Sevilla and Mische, civil engineers, are guilty of gross negligence and misconduct as a result of recommendations made in a facility plan and public testimony given in support of that plan involving improvements to be made in the Flagstaff waste water system. Sevilla and Mische, employees of Brown and Caldwell, consulting engineers, were the responsible registrants selected to conduct a facilities planning study and produce a facilities plan for the City of Flagstaff. Alternatives developed during the study and plan preparation were subject to review by the City of Flagstaff's technical staff, the Arizona Department of Health Services, the Environmental Protection Agency, and were presented to the public at two workshops and a hearing for discussion and comment. The recommendations of Sevilla and Mische were subsequently adopted by the City of Flagstaff. The Committee recommends this complaint be dismissed, since the preparation, review and hearing process preceding the adoption of the recommended alternative in the facilities plan is considered a reasonable safeguard against any misconduct or gross negligence on the parts of Sevilla and Mische. All parties to these complaints should be so notified.

79-016 SCOTT vs. ATHERTON

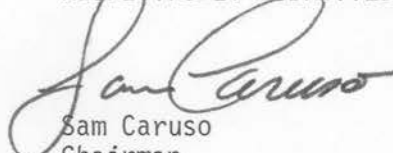
The committee reviewed this file and recommends that the Board proceed with an investigation to determine if sufficient evidence exists to warrant a hearing.

79-002 TECHNICAL REGISTRATION BOARD vs. AMEC ASSOCIATION, INC.

AMEC Associates, Inc., through its subsidiaries STAMEC Design Services and STAMEC Engineering Services, opened offices in Tucson and offered engineering services late in 1978. After correspondence with the office and conversations with the Director, AMEC Associates, Inc. agreed to stop the use of the firm name STAMEC Engineering Services and to offer only technical and industrial services (principally employment agency service) through STAMEC Design Services. The Tucson office of STAMEC Design Services subsequently closed. The committee recommends this file be closed and all parties to this complaint be so notified.

16. OLD EXAM FILES The Engineering Evaluation Committee recommends that the Board establish a policy of keeping old local examinations permanently and discarding NCEE examinations after five years.

RESPECTFULLY SUBMITTED,


Sam Caruso
Chairman

August 28, 1979

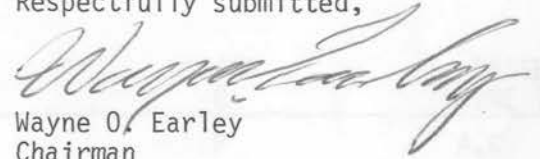
TO: State Board of Technical Registration
FROM: Landscape Architectural Examination Committee
SUBJECT: Evaluation of Applicants

The Landscape Architectural Examination Committee met August 27, 1979 in Phoenix, Arizona with the following members present:

Wayne O. Earley
Kemper Goodwin

There being a quorum present at all times, the committee reviewed the results of the landscape architectural examination given in June 1979. The committee recommends that the results as shown on the following page of this report be certified.

Respectfully submitted,


Wayne O. Earley
Chairman

LANDSCAPE ARCHITECTURAL EXAMINATION

JUNE 12-13, 1979

LANDSCAPE ARCHITECTS		HISTORY	PROF. PRACTICE	DESIGN	DESIGN IMPL.	PASSED JUNE 1979
APP.NO.	NAME	A	B	C	D	
* 79-253	Acuna, Steve	P	P	P	P	A,B,C,D
72-416	Ashworth, Dean Frampton	F	P	P	P	
* 79-258	Bywater, Colon Glen	P	P	P	P	A,B,C,D
79-175	Dahmen, Robert Claude	F	P	F	P	B,D
79-137	Jokerst, Dennis Edward	-	P	-	F	B
79-259	Jones, Gordon Wayne	-	F	-	P	D
* 79-140	Krieg, John Christopher	P	-	-	P	A,D
79-162	Kyle, Nancy E.	-	F	-	P	D
78-631	Lara, Luis, Jr.	F	F	P	F	C
79-141	Littlefield, Ted Allen	F	F	F	F	
* 79-273	Martino, Steve Lawrence	-	P	-	P	B,D
* 79-188	McConaghie, Darryl Wayne	P	P	P	P	A,B,C,D
76-139	Nash, James Patrick	-	P	-	F	
78-248	Payne, Elbert Don	-	F	-	F	
* 79-308	Presto, Richard Merrills	-	P	-	P	B,D
* 78-77	Scott, William Talmage, Jr.	-	-	-	P	D

LANDSCAPE ARCHITECTS-IN-TRAINING

LANDSCAPE ARCHITECTS-IN-TRAINING		HISTORY	DESIGN	PASSED JUNE 1979
		A	C	
* 79-7	Campbell, Donald Roger	P	P	A,C
79-1	Hogg, Robert A.	F	F	
79-6	Killip, Thomas J.	P	F	A
79-3	Landon, Ronald A.	F	F	
79-5	Ryan, Phillip R.	F	P	C

REGISTRATION DENIED

It was moved by Mr. Caruso and seconded by Mr. Porcarello that the applicants listed below be denied registration for lack of experience of a character satisfactory to the Board under A.R.S. 32-122.A with refunds as shown. Motion carried.

Saksena, Shirendra K.	79-419	Structural Engineer
Shirvani-Kenareki, Grish	79-344	Civil Engineer

It was moved by Dr. Jimenez and seconded by Mr. Goodwin that the applicants listed below be denied with neither prejudice nor refund at their own request. Motion carried.

Bayha, Walter George	78-647	Electrical Engineer
Boyd, Gary Lewis	79-50	Mechanical Engineer
Cox, Hugh Lenneous	78-444	Civil Engineer
Duffy, Kevin Donald	78-35	Architect-in-Training
Hill, Eric Jon	78-10	Architect-in-Training
Hollandsworth, Frank Majors	79-341	Electrical Engineer
Holt, Stephen A.	79-202	Highway Engineer
Horn, Robert Ellwood	79-437	Architect
Kuhlmann, John Russell, Jr.	79-411	Structural Engineer
Saba, Gary M.	77-5	Architect-in-Training
Sirmen, Samim Ismail	79-343	Electrical Engineer
Smith, Cheryl D.	78-45	Architect-in-Training
Tibsherany, George F.	78-8	Architect-in-Training
Younkin, Al Edward	78-46	Architect-in-Training

It was moved by Mr. Goodwin and seconded by Dr. Jimenez that the applicants listed below be denied for failure to complete the requirements of the Board within a reasonable length of time. Motion carried.

Balbuena, D. Oscar R.	77-21	Architect-in-Training
Baranco, Bart J.	78-2	Landscape Architect-in-Training
Barbaz, Charles G.	79-109	Chemical Engineer
Cicchini, Paul Francis	78-213	Engineer-in-Training
Dennis, George Michael	78-5	Geologist-in-Training
Ethridge, Loch	78-131	Engineer-in-Training
Frommelt, Horace	78-592	Structural Engineer
Graham, Barry L.	78-148	Engineer-in-Training
Guth, John J.	78-222	Engineer-in-Training
Ilgaz, Orhan M.	78-659	Civil Engineer
Lucas, David	79-48	Land Surveyor
Lundmark, George Edward	73-704	Electrical Engineer
Marro, Ray M., Jr.	78-613	Architect
McEnroe, Gerald Robert	79-166	Highway Engineer
Miller, Fidelis Leonard	78-27	Architect-in-Training
Rainery, Louis Donald	77-399	Civil Engineer
Roberts, Timothy Ainslie	78-49	Mechanical Engineer
Schwyn, Richard Groves	78-195	Engineer-in-Training
Thomas, Stewart Alton	77-337	Geological Engineer
Whitcomb, Morris Kenneth	78-58	Architect
Williams, Doss Craig	78-657	Civil Engineer

GRANTED REGISTRATION

It was moved by Mr. Goodwin and seconded by Mr. Porcarello that the applicants listed below, having completed the personal audience and all other requirements of this Board, be granted professional registration and assigned the registration numbers as indicated. Motion carried.

CIVIL ENGINEERING

Bigelow, Stanton Warren	12542
Brock, Robert Pascal Ershig	12543
Cannon, James Robert	12544
Carrier, David R.	12545
Clark, Donald Robert	12546
Coen, Steven Daniel	12547
Cornwell, Alan Gregory	12548
Duncan, John Richard	12549
Gaston, N. Pierre	12550
Greengard, Arthur James, Jr.	12551
Holt, Stephen A.	12552
Honaker, Arthur Charles	12553
Kavthekar, Bhalchandra Shankar	12554
Lueck, Curtis Calvin	12555
McCullough, Charles Francis	12556
McLaughlin, John M.	12557
Nolten, Roddy Juul	12558
Obermeyer, Elmer Joseph, Jr.	12559
O'Connor, Paul Martin	12560
Pretti, Clyde Louis	12561
Ransom, Gaylord Rick, III	12562
Ruffalo, George Albert	12563
Sawyer, Frederick Hellmann	12564
Spaulding, Stuart Allen	12565
Volpe, Richard L.	12566
Wallace, George Emerson, III	12567
Weddle, Clark L.	12568
Williamson, John Arthur	12569
Breyer, Paul Nicholas	12592

ELECTRICAL ENGINEERING

Hinkle, Donald Lee	12570
Lietz, Heinz Joachim	12571
Matthews, Alan James	12572
Milford, Ronnie Lee	12573
Painter, Wallace C.	12574
Revell, Charles Frederick	12575
Rothstein, Leslie	12576
Stephens, Ronald M.	12577

MECHANICAL ENGINEERING

Allerdice, Joseph M.	12578
Brandman, Samuel	12579
Flashberg, Larry S.	12580
Guernsey, Curtis H., Jr.	12581

MECHANICAL ENGINEERING - contd.

McCoy, Joe	12582
Planells, Hernando L.	12583
Purcell, Thomas Hector, Jr.	12584
Sirmen, Samim Ismail	12585
Verbeke, Frank Girard, Jr.	12586
Volker, Edmund F.	12587
Welch, Patrick J., Sr.	12588

PETROLEUM ENGINEERING

Houser, Arthur Riggs	12589
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SANITARY ENGINEERING

Knickerbocker, Kenneth Louis	12590
Uhler, Robert Bruce	12591

STRUCTURAL ENGINEERING

Chlarson, Michael Dennis	12593
Clinton, John Edward	12594
Gupta, Ashok Kumar	12595
Shapiro, Daniel	12596

GEOLOGY

Scacifero, Anthony J.	12597
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LAND SURVEYING

Friddell, Richard Earl, Sr.	12598
Potter, Charles Gerald	12599
Shaffer, Wade Henry	12600
Weisman, Albert Otto	12601
Dobbs, Douglas Cary	12673

ARCHITECTURE

Becker, John Carl	12602
Beecher, Harold Kline	12603
Bell, K. Stanley	12604
Bird, James Wright	12605
Brady, James Michael	12606
Call, Gary LaMar	12607

continued...

ARCHITECTURE - contd.

Cantrell, Billie Warren	12608
Carlson, Carl William	12609
Christensen, Quintin Verlin	12610
Cushman, Ted Junior	12611
de la Torre, Jorge Miguel	12612
Dietz, Robert Allen	12613
Dvoretzky, Eugene Nathan	12614
Ertman, Gardner	12615
Fletcher, William LaVenture	12616
Frerking, Michael Huebert	12617
Hasan, Zamir	12618
Hilburn, William G., Jr.	12619
Hinkle, Clyde Wallace	12620
Hodges, Thomas Ronald	12621
Huston, Richard Eli	12622
Hyman, David Solomon	12623
Hyosaka, Kenneth Makoto	12624
Jenkins, James Edward	12625
Kellock, George	12626
King, Thomas O.	12627
Kraft, Robert Stephen	12628
Kusakabe, Tomio T.	12629
Ladd, Stephen Gary	12630
Larsen, Robert J.	12631
Loarie, Richard Peter	12632
Long, Kay Darwin	12633
Lord, Ernest Raymond	12634
Ludwig, Neil Milton	12635
Mardirosian, Aram Haig	12636
Matchey, Joseph F.	12637
McCollum, Tommy Robert	12638
Minich, Gerald	12639
Nadel, Herbert Nathan	12640
Nicolais, Robert Dorio	12641
Nolan, James Arthur	12642
O'Neill, John Miles	12643
Ortmann, Edward J.	12644
Otwell, William S.	12645
Patterson, Jon Barry	12646
Perner, Ronald Anthony	12647
Pollack, Jerry L.	12648
Reece, Michael Eugene	12649
Rosen, Sheldon Douglas	12650
Schmitt, David Leo	12651
Scholz, John Bernard	12652
Scott, Alan Van Cleave	12653
Shannon, John Blair	12654
Sinclair, George Lester	12655
Smith, Ronald Wilmer	12656
Stefano, Gerald Lee	12657

Stewart, John Malcolm	12658
Storrs, Wayne A.	12659
Strite, Billy Ray	12660
Tozier, Everett Lane	12661
Ward, Steven Wolford	12662
Weber, Henry James	12663
Wemlinger, Fredric	12664
Wilkes, Michael Berny	12665

LANDSCAPE ARCHITECTURE

Acuna, Steve	12666
Bywater, Colon Glen	12667
Krieg, John Christopher	12668
Martino, Steve Lawrence	12669
McConaghie, Darryl Wayne	12670
Presto, Richard Merrills	12671
Scott, William Talmage, Jr.	12672

GRANTED REGISTRATION

It was moved by Dr. Jimenez and seconded by Mr. Trimble that the applicants for in-training registration shown below, having satisfactorily completed the written examinations and all other requirements of the Board, be granted in-training registration and assigned the in-training registration numbers as indicated. Motion carried.

ENGINEER-IN-TRAINING

Angelo, Dennis	2128
Beck, Edmond A.	2129
Belshe, Mark Lawrence	2130
Bond, James Earl	2131
Bradford, Jon C.	2132
Chase, David Paul	2133
Davis, Robert Allen	2134
Dooley, Philip Eugene	2135
Dreyer, Lawrence LeRoy	2136
Ehman, Zina Maria	2137
Ellefson, Chris S.	2138
Engler, Robert Birch	2139
Evjen, Randolph M.	2140
Genaux, Maia E.	2141
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REPORT OF THE EXECUTIVE DIRECTOR

August 31, 1979

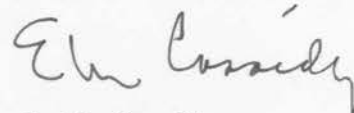
A copy of the Executive Director's letter of resignation dated August 8, 1979 is attached to this report.

The 1980-81 Budget has been submitted this date. No allowance was made in the budget for the consequences of the Sunset Review process. Copies of the submitted budget will be mailed to all Board members shortly.

The Cash Flow Report for the period ending August 31, 1979 is attached.

A revised Rules and By-Laws booklet is now at the printers. It will contain all changes made during the recent hearings.

Respectfully submitted,



Earle M. Cassidy
Executive Director

CASH FLOW REPORT

AUGUST 1979

August 8, 1979

Balance as of July 1, 1979	\$ 76,899.74
Total Receipts, Year-to-Date	5,239.15
Total Expenditures, Year-to-Date	(22,749.00)
Outstanding Encumbrances	(2,877.33)
Balance as of August 31, 1979	\$ 56,512.66

The Chairman and Members
Board of Technical Registration
1645 West Jefferson, Suite 315
Phoenix, Arizona 85007

Gentlemen:

It is with genuine regret that I herewith tender my resignation as Executive Director of the State Board of Technical Registration, effective at your earliest convenience.

These past months as the Board's director have been a great challenge and satisfaction to me. However, it is my decision to return to private business as an investor and manager, in order to seek the economic and career goals that I feel are best suited to me and my family.

Realizing that an orderly transfer of responsibility to my successor is desirable for the continued effective administration of this office, I am prepared to remain in the employ of the Board until such time as you have appointed a new director. I would also be prepared to work alongside him for a short break-in period of a week or two. Hopefully, this all can be accomplished prior to September 30, 1979.

Sincerely,



Earle M. Cassidy
Executive Director

vbn

CASH FLOW REPORT

AUGUST 1979

August 23, 1979

Balance as of July 1, 1979		\$ 78,899.72
Total Receipts, Year-to-Date		5,237.18
Total Expenditures, Year-to-Date		(20,249.88)
Outstanding Encumbrances		(2,877.33)
Balance as of August 31, 1979		<u>\$ 61,009.69</u>

Lump Sum Appropriation		\$172,100.00
------------------------	--	--------------

RECEIPTS:	AUGUST	YEAR-TO-DATE
Application Fees & Misc. Fees	\$4,116.36	\$ 5,575.08
Renewal Fees & Penalties	34.00	84.00
Examination Fees	160.00	160.00
Less 10% to General Fund	(431.03)	(581.90)
Total Receipts	<u>\$3,879.33</u>	<u>\$ 5,237.18</u>

EXPENDITURES

Personal Services	\$4,709.88	\$ 9,419.76
Employer Related	846.02	1,784.32
Travel (Out-of-State)	1,094.91	1,094.91
Data Processing	67.32	67.32
Rent & Space	-0-	4,051.50
Maintenance & Repairs	157.50	157.50
Office Supplies	599.53	690.42
Subscriptions	-0-	92.96
Postage & Mailing	1,000.00	1,037.01
Telephone	161.33	161.33
Freight	53.45	80.70
Copier Lease	194.24	332.94
Refunds	20.00	20.00
Revolving Fund	-0-	1,000.00
Refuse Pick Up	197.60	197.60
Other Operating Expenses	39.86	39.86
Total Expenditures	<u>\$9,141.64</u>	<u>\$ 20,249.88</u>

f MARK EDSON A.I.A.
ARCHITECT

August 25, 1979

The Honorable Bruce Babbitt, Governor
State Board of Technical Registration
1645 West Jefferson, Suite 315
Phoenix, Arizona 85007

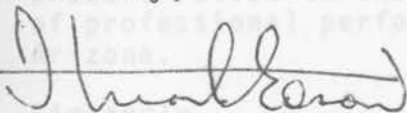
Re: State Board of Technical Registration
Members of the Board:

I have your letter of August 21st, informing me of your decision to employ me as Executive Director, effective on September 17th, 1979.

I accept your offer, and I am planning to assume the office on the date you suggest with the proviso that I will require about one day each week until mid-November to close my professional affairs here in Tucson.

I sincerely appreciate the trust you have given me, and I am looking forward to working closely with you to achieve every goal you set for continued improvement of the registration process.

Sincerely,



F. Mark Edson, AIA
Architect

F. Mark Edson, AIA
Architect

cc: State Board of Technical Registration

MARK EDSON A.I.A.
ARCHITECT

04257

August 25, 1979

The Honorable Bruce Babbitt, Governor
State of Arizona
1700 West Washington
Phoenix, Arizona 85007

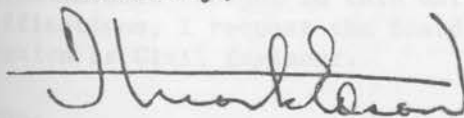
Re: State Board of Technical Registration

Dear Governor Babbitt:

For personal reasons, I am tendering herewith my resignation from the State Board of Technical Registration effective September 8th, 1979. I will be unable to serve until my successor is named, and you may wish to fill the vacancy in the group of appointments you are presently considering, to fill expired terms.

Thank you for the opportunity you gave me to serve on the Board. I believe the present Board has a firm understanding of necessary improvements in the Registration and Enforcement process and I know they can contribute effectively in the present review to insure continued high standards of professional performance for the people of Arizona.

Sincerely,



F. Mark Edson, AIA
Architect

cc: State Board of Technical Registration

Francis W. Lutz
700 East Elise St.
August 10, 1979
July 26, 1979

State of Arizona
Board of Technical Registration
1645 W. Jefferson, Suite 315
Phoenix, Arizona 85007

Attn: Mr. Earle M. Cassidy, Executive Director

Re: Charles Gilbert Nixon
Civil Engineer #75-421

Gentlemen:
In accordance with the recommendations of its Evaluation Committee, the Board of Technical Registration ruled that I will sit for the written examination.

I have recently received results of the April 1979 examination.

In background, I have over 13 years supervisory experience and nearly 20 years total in Civil Engineering work on a wide variety of projects, have completed Parts 3 & 4 (Civil Branch) in initial trial and subsequently completed Part 1 (E.T.T.) and received a graded 64 on Part 2 (E.I.T.) in April 1979 examination.

I am advised an E.I.T. score of 70 is acceptable for an applicant with No experience. I feel my score on this scholastic based examination coupled with the number of years experience is certainly superior and request it be acceptable to the Board. I completed review course Spring, 1979 (copy attached).

After considerable thought in this matter and with sincere belief in my qualifications, I request the Board act affirmatively and grant registration as Civil Engineer.

Thank you.

CGN
Charles Gilbert Nixon

CgN/bbb

Experiences
Fifteen years of sanitary engineering experience, the last of which have been as a registered Professional Engineer in other states.
Prior Registration
(1) State of Texas, Serial No. 30562 (1970). Registration was granted in recognition of having satisfactorily met the education and experience requirements then in effect.



Francis M. Luiz
7851 East Elida St.
Tucson, Arizona 85715

July 26, 1979

State of Arizona
Board of Technical Registration
1645 West Jefferson, Suite 315
Phoenix, Arizona 85007

Attention: Mr. Earle M. Cassidy, Executive Director

Re: Sanitary Engineer #79-114

Gentlemen:

Based upon the recommendations of its Evaluation Committee, the Board of Technical Registration ruled that I must sit for the written examination, Parts 1 and 2, "Fundamentals of Engineering," in November 1979.

I respectfully request that the Board reconsider my application for registration, in view of the fact that I possess the qualifications required by Article 2, 32-122 A of the Code, and have presented evidence that should satisfy the Board of my qualifications to practice engineering, in accordance with Article 2, 32-123 A, of the Code. My qualifications are as follows:

a. Education

- (1) Four years of engineering study at New York University leading to the Bachelor of Civil Engineering Degree in 1963.
- (2) One year of engineering study at New York University leading to the Master of Science in Civil Engineering Degree in 1973.

b. Experience

Fifteen years of sanitary engineering experience, the last nine of which have been as a registered Professional Engineer in other states.

c. Prior Registration

- (1) State of Texas, Serial No. 30568 (1970). Registration was granted in recognition of having satisfactorily met the education and experience requirements then in effect.

August 23, 1979

Mr. Earle M. C...
State Board of...
John W. Jefferson...
Phoenix, Arizona

(2) State of Vermont, Serial No. 2894 (1971). Registration was granted upon satisfactorily passing the eight hour written examination, "Part II, Principles and Practices." The Vermont Board waived the eight hour "Part I - Engineering Fundamentals" written examination in recognition of my Texas registration.

(3) State of New Hampshire, Serial No. 3002 (1972). Registration was granted through reciprocity with the State of Vermont.

Dear Mr. Cassidy:

Having practiced for the past nine years as a Registered Professional Engineer with increasing success and recognition in the highly competitive consulting engineering field; having been considered and ruled qualified to practice Professional Engineering by the Registration Boards of three different states; and having been granted both the Bachelor's and Master's Degree in Civil Engineering by one of the oldest and most esteemed Universities in this country, I find it difficult to understand that I "have not furnished satisfactory evidence of qualifications for registration" (Article 2, 32-123 B, of the Code). For the reasons stated herein, I most respectfully request a hearing before the Board of Technical Registration.

Very truly yours,

Francis M. Luiz

Francis M. Luiz

FML:fe

I believe that the above references justify the techniques that I employed to solve the problem I selected.

Thank you very much for considering this petition. If you have any further questions I may be contacted at your convenience.

Sincerely yours,

B. L. Parks

Barton P. Willis, Jr.
Public Health Engineer
Bureau of Public Health Engineering
Maricopa County Health Department

4305 N. 45th St.
Phoenix, Az. 85018

August 2, 1979

August 23, 1979

Mr. Earle M. Cassidy, Executive Director
State Board of Technical Registration
1645 W. Jefferson Suite 315
Phoenix, Arizona 85007

Re: Petition For Reconsideration
Of a Failing Grade

Dear Mr. Cassidy:

Please consider this letter as a formal request for petition to reconsider a failing grade which I received on Part 4 of the written examination for Sanitary Engineer in April, 1979.

The design analysis and conclusions made on the problems which I elected to solve were based upon established formats provided in the engineering texts which I used for reference during the examination. With one exception, I know of no problem which I deviated from proper engineering technique to achieve solution. In solving the problem relating to an oxygen sag curve the initial assumption was incorrectly made and was only noticed when the final answer had been calculated. This incorrect assumption however, was noted at the end of the problem.

The references used for solutions to these three problems were:

Wastewater Engineering by Metcalf and Eddy
Water Supply and Wastewater Disposal by Fair & Geyer
ASTM Designation C 200 - 69 Standard Specifications for Extra
Strength Clay Pipe
The Clay Pipe Engineering Manual by National Clay Pipe Institute

I believe that the above references justify the techniques that I employed to solve the problems I selected.

Thank you very much for considering this petition. If you have any further questions I may be contacted at your convenience.

Sincerely yours,

Brayton P. Willis, Jr.
Public Health Engineer
Bureau of Public Health Engineering
Maricopa County Health Department

4228 N. 45th St.
Phoenix, Az. 85018

August 4, 1979

Mr. F. Mark Edson
State Board of Technical Registration
1645 West Jefferson, Suite 315
Phoenix, Arizona 85007

Dear Mr. Edson:

As recommended by my interviewers during my personal audience, I am executing my right to a decision from the entire board on an issue which, I understand, is not new to the board.

The issue is, when is the professional development of an applicant considered beyond that of the Engineer-in-Training Phase? This is where the code and the rules and by-laws disagree, or get confusing. It sets up a program for a young graduate to take the EIT exam, go through four years of an experience training program under a professional Engineer to be eligible for the phase II program. Yet, it also states that if an applicant has a proven experience record of comprehensive quality, the EIT phase, may be waived. The EIT program for Civil Engineers is a good program, as I have them in my training a full week at ADOT, before they go on to other branches of ADOT. However, there was no such program for me, and still isn't for Geological Engineers anywhere in the state. In fact, there was not, at the time, even registration for Geological Engineers.

The usual counterpoint is that college would have prepared me better, with courses in Geological Engineering, and therefore, I lack education in the field.

The fact is, that when I went to college, the hybrid of geology with engineering wasn't created yet. There were only Geologists, who worked for Engineers, supplying them with the geological data they needed. The design Engineers who employed me were not professors, but professionals who wanted the right answers from me all the time. It has been said, experience is the best teacher.

True, for the first eight years in Arizona I had the occasional advantage of working with other more experienced Geologists, who also worked for Engineers (i.e. R. T. Moore, Sam Turner, Harold Crossman and Lewis Scott). However, for the past nine years I have essentially been working alone.

As my work description shows, the projects included bridge and dam foundations, surface and groundwater studies, including well locations, topo- and geologic mapping, sedimentation and scour investigation, seismic risk research, bid estimates, slope stability, soil stabilization and settlement projects, all of which I was involved in in an active supervisory position from the field testing to the final geologic report and recommendation, submitted to the design Engineers.

Like any new science, new methods develop almost daily, so what ever I learned long ago, would be obsolete now.

Therefore, in order to keep my job and develop professionally, I must spend a considerable amount of time in research and consulting with others in my field to keep up-to-date. Like many here would agree, you have learned more since college than you did in college, about your profession.

Like all Geologists in the past and many do today, I could practice Geological Engineering with a Geologist's Registration. I am not critical of them, for by the codes definition of geological practice, they are working in the "geological phases of engineering investigation". Then, why even register as a Geological Engineer??

Like the pioneering Geologists, Dr. Berky in "Application of Geology to Engineering Practice" (1950), and recently Eugene Waggoner, President of Woodward-Clyde Associates,* stated that the Geologist or Geological Engineer will always be the minority member of most engineering organizations, being over specialized and used only when needed. He therefore, is not likely to ever be the leader of the organization. He will be looked down on as more of a curiosity. However, the State Personnel Board has recently reviewed my job description and will soon tag Engineer on my job title, either as Engineering Geologist or Geological Engineer. It seem that one board has accepted me with equal pay as Engineers. Since I believe in 'in situ' field testing of soil and rock, my drill and I are inseparable. Therefore, the unofficial title of "digger" sticks as good enough for a Geologist. I am willing to accept that, as ethically, I cannot work outside my capabilities, as long as my capabilities are recognized as a professional skill, not substandard to other fields of applied science.

Even the national NCEE exam doesn't include Geological Engineering in the list of subjects in the EIT section, and no parts three and four exist. In fact, the three and four professional exams are prepared by the University of Arizona Geological Engineering Dept. (a part of the U of A school of Mines and Geology). The connection between the two tests is a slim one. However, at least two universities offer degrees in Geological Engineering now, and as I reviewed the curriculum, it's like a review of my past job assignments, only I had to learn them when some of these subjects were in the research stage. Moreover, I see the curriculum requires at least twice as many geology courses as engineering, which is good, as the Geological Engineers will be working with rock and soil, not man-made standardized materials or structures. Their job is where to build the structure site, not how to build it. If a Geologist or Geological Engineer can interpret to rock and soil environment of project sites successfully, year after year, for his structural engineering peers, he will know that he has arrived professionally, by they showing their confidence in his judgement. This I believe, is the toughest test of your professional ability and development, to be consistant over a long length of time.

The state as well as the Boy Scouts use a term merit system where a person is judged on performance of deeds or duties over a length of time. A board of his peers reviews these deeds to decide whether or not he merits a raise or award without prejudice. It's a good system, such better than a quick judgement made by a computer run, although a great deal of work, perhaps for the boards but the computers still can't sufficiently analyze an experience or job performance background of a person.

Finally, there has been some other statements made that I would like to clear up. 1) Registered Geologists are not made into Geological Engineers without taking EIT parts one and two. However, some fellow Geologist friends of mine did just that--and their experience records, at the time, were not that different from mine (i.e. Lewis Scott, Jack Gallaher, Paul Manera and Bill Gleenslade). Moreover, there may be others, listed from out-of-state that I don't know personally, who went from Geologist to Geological Engineer. 2) Also, there seems to be some confusion about my Geologist Registration tests. It was the judgement of the board that my experience as being a Geologist for Engineers was sufficient enough, that I didn't have to take parts one and two of the Geologists Exam--only three and four, or the last eight hours of the 16 hour test.

I must admit that I waited a long time to go for these registrations, but the state didn't require it, just as many Geologists at the Arizona Bureau of Mines and other state agencies are not required to register. But, since many of my old friends, who could be good references to my past work record are getting up in years, and I intend to retire from state service someday, I decided it was time to go for it now.

In conclusion, I am willing to take the Geological Engineering exam, but I feel the in-training phase judgement is neither meritorious nor consistent to the past policy of the board. I sincerely hope you will reconsider the matter with your decision "commensurate with my experience" record.

* Note: Eugene Waggoner holds a BA and MA in Geology from UCLA, and Geological Engineering registration in Arizona, but not Geology registration. He is also past president of the Consulting Engineers Council, U.S.A.

Respectfully submitted,


Leo L. Langland


Richard E. Beavis



PIMA COUNTY HEALTH DEPARTMENT

151 West Congress Street

Tucson, Arizona 85701

August 8, 1979

July 24, 1979

Board of Technical Registration
 1645 W. Jefferson
 Room 315
 Phoenix, Arizona 85007

Gentlemen:

On July 13, 1979 I appeared before the Engineering Evaluation Committee to allow a determination of whether I am qualified for registration in the State of Arizona. The Committee, at the end of my audience, indicated that it would recommend to the Board that I be required to take Parts 3 and 4 of the professional registration examination.

While I have no particular quarrel with the philosophy that moved the Committee to make this recommendation, I wish to appeal to the Board to grant me registration based upon my past education and experience, and upon my professional reputation within the State.

As my records indicated, I took and passed the EIT examination in Missouri in 1954. Four years later after an oral interview, I was registered in that state. I moved to Tucson in 1965, and have practiced engineering as a federal employee in Arizona since that time with the exception of the past two years. During that period, although my family remained in Tucson, I worked with the Environmental Protection Agency in San Francisco as Chief of the Arizona Branch in charge of the construction grants program.

In my years as an Arizona resident, I have designed and constructed facilities for the Indian Health Service, worked with the Mexican government to solve environmental problems on the border, and served as an Instructor in the Civil Engineering Department at the University of Arizona. I have always felt that I enjoyed a good reputation among my peers in the State.

I have now returned home as an employee of the Arizona Department of Health Services, and respectfully request that I be granted registration without examination. Because of my situation--working in Phoenix and living in Tucson--the time required for preparation for the examination creates a difficult problem for me. Thank you for your consideration.


 Richard E. Reavis



04266

PIMA COUNTY HEALTH DEPARTMENT

151 West Congress Street
Tucson, Arizona 85701

July 24, 1979

DILEEP G. BAL, M.D.
DIRECTORState Board of Technical Registration
1645 West Jefferson
Phoenix, Arizona 85007

Re: CE # 79-210

Gentlemen:

I was advised by the Evaluation Board during my audience with them on July 13, 1979, that it would be necessary to take an examination before registration as an Engineer could be granted in the State of Arizona. This notification would be sent to me on an official basis from the State Board of Technical Registration after their meeting in September 1979.

I submitted my application for registration as a non-resident on the advice of the office staff in Phoenix because my legal voting resident was still in New Mexico. I made this submittal in person, after discussing a few questions on the form, and left the office with the impression that there would be no problem in securing registration in Arizona.

I currently hold registration in three states. The New Mexico registration was obtained by education and experience; the Texas registration by education and experience; the California registration by examination. The registrations were all obtained according to the regulations at the time of granting. The California registration supposedly held validity in all but one eastern state for qualifying for registration. The examination was slightly discussed during the Evaluation Board Audience.

Mr. Cassidy, Executive Director, sent me a letter dated June 11, 1979, and made reference to my New Mexico registration being by education and experience only and the possibility of the Board requiring examination, but I thought my California license would compensate for it.

I have been licensed and have practiced as a Professional Engineer since 1951.

WESTERN CONFERENCE
State Board of Registration
Architectural Registration Boards

-2- July 24, 1979

I would appreciate it if the Board would re-evaluate my application and advise me whether the examination in California and the experience record gained to date is adequate for registration in Arizona without the November examination.

Respectfully submitted,

Rex L. Eberline

Elmer L. Gaudran
Secretary

SUBJECT: Fall INTERIM MEETING (10/27/79)

RLE:mw

Items have been proposed for the Agenda of the Fall Interim meeting in Boise, Idaho on October 27, 1979:

1. Design Grading Session and Future Modifications
2. WCAPS By-Laws and Rules - Adoption of Same
3. IFP: The action taken by AIA and its attitude towards mandatory aspects of this program
4. Budget: Review immediate and future financial position
5. Task Analysis (Resolution 85): A report on the progress of the committee's work

It will be helpful in planning for IMIA meeting, if you will take these items to your next Board meeting and ask if the members wish to have additional items for discussion placed on the agenda. Your suggestions for additional items must reach us no later than September 25, 1979!

IN ADDITION: You will recall that earlier this year we asked how many States could fund the attendance at the Fall-Interim Meeting of one representative. It is hoped that the one representative would be your Board Chairperson or, where you have a Board member who is a member of the WCAPS Executive Committee, that your representative would be that person. Several States indicated they could fund the attendance of one representative. Because we still have not received data from two of the larger WCAPS States for the 1979 year and because we are aware many of the States have just entered a new fiscal period, we are asking whether any other States can fund the travel expenses of their representative. Please use the form below for your response.

STATE BOARD FOR:

1. Can Fund Fall, 1979 & Thereafter _____
2. Not Fall, 1979, but Can Future Fall Meetings _____
3. Cannot Fund Fall Meetings _____

THANK YOU FOR A SPEEDY RESPONSE!!!

WESTERN CONFERENCE
State Architectural Registration Boards

August 26, 1979

TO: EXECUTIVE SECRETARIES AND DIRECTORS
Western Conference State Boards

FROM: Eleanor L. Gundran
Secretary

SUBJECT: FALL INTERIM MEETING (10/27/79)

The following items have been proposed for the Agenda of the Fall Interim Meeting in Boise, Idaho on October 27, 1979:

1. Design Grading Session and Future Modifications
2. WCARB By-Laws and Rules - Adoption of Same
3. IDP: The action taken by AIA and its attitude towards mandatory aspects of this program
4. Budget: Review immediate and future financial position
5. Task Analysis (Resolution #5): A report on the progress of the committee's work

It will be helpful in planning for this meeting, if you will take these items to your next Board meeting and ask if the members wish to have additional items for discussion placed on the agenda. Your suggestions for additions must reach us no later than September 25, 1979!

IN ADDITION: You will recall that earlier this year we asked how many States could fund the attendance at the Fall Interim Meeting of one representative. It is hoped that the one representative would be your Board Chairperson or where you have a Board member who is a member of the WCARB Executive Committee, that your representative would be that person. Several States indicated they could fund the attendance of one representative. Because we still have not received dues from two of the larger WCARB States for the 1979 year and because we are aware many of the States have just entered a new fiscal period, we are asking whether any other States can fund the travel expenses of their representative. Please use the form below for your response.

STATE BOARD IN: _____

1. Can Fund Fall, 1979 & Thereafter _____
2. Not Fall, 1979, But Can Future Fall Meetings _____
3. Cannot Fund Fall Meetings _____

THANK YOU FOR A SPEEDY RESPONSE!!

September 4, 1979

Mr. Earl Cassidy, P.E.
 Executive Director
 Arizona State Board of
 Technical Registration
 1645 West Jefferson
 Phoenix, Arizona 85007

Joseph A. DeVito
 Joseph A. DeVito, P.E.

James F. Dalton
 James F. Dalton, P.E.

James F. Dalton
 James F. Dalton, P.E.

Dear Mr. Cassidy:

We request that the Executive Director of the State Board of Technical Registration contact Mr. Dave Ronald of the State Attorney General's office regarding his recent concern about classified telephone directory advertisers who falsely say they have state occupational or professional licenses. (See attached copy of Arizona Republic article).

Since the Arizona Society of Professional Engineers and your office have been working together to identify firms illegally using the term "engineer" or "engineering", it now seems appropriate that you request the State Attorney General to include the illegal use of said terms in the yellow pages as part of present talks with Mountain Bell.

Mr. Ronald is willing to help us but indicated he must first receive a request from you. His next meeting with Mountain Bell is next week, so it is important you talk to him this week.

Additionally, we request this matter be discussed at the Board Meeting September 7th, with a copy of this letter to all board members.

State of Arizona
BOARD OF TECHNICAL REGISTRATION

Mr. Earl Cassidy, P.E.

September 4, 1979

SCHEDULE OF EXAMINATIONS

We thank you in advance and request a reply stating what action is being taken by you and/or the Board.

Joseph A. DiVito

Joseph A. DiVito, P.E.

MONDAY, DECEMBER 10, 1979
Phoenix, Arizona 7:30 A.M.

R. Douglas Peters

R. Douglas Peters, P.E.

Tucson, Arizona 7:30 A.M.

8:00 A.M. - 11:30 A.M. Part I

James P. Delton

James P. Delton, P.E.

11:30 A.M. - 12:30 P.M. Lunch

12:30 P.M. - 4:00 P.M. Part II - Architectural Planning

John B. Ritter

John B. Ritter, P.E.

TUESDAY, DECEMBER 11, 1979
Phoenix, Arizona 7:30 A.M.

John E. Lawson, Jr.

John Lawson, P.E.

Tucson, Arizona 7:30 A.M.

JAD:arg

Attach

cc: Mr. Dave Ronald
Attorney General's Office

Dr. Joseph Troxler
A.S.P.E.



State of Arizona BOARD OF TECHNICAL REGISTRATION

04271

FOR ARCHITECTS, ASSAYERS, ENGINEERS, GEOLOGISTS, LANDSCAPE ARCHITECTS AND LAND SURVEYORS
1645 W. JEFFERSON, SUITE 315 • PHOENIX, ARIZONA 85007 • (602) 255-4053

SCHEDULE OF EXAMINATIONS for Architects

DECEMBER 1979

SATURDAY, NOVEMBER 3, 1979

I. MONDAY, DECEMBER 10, 1979

Phoenix, Arizona 7:30 A.M. Report to Prescott Room, Phoenix Civic Plaza, 200 E. Washington

Tucson, Arizona 7:30 A.M. Report to Mohave Room, Tucson Community Center, 350 S. Church

8:00 A.M. - 11:30 A.M. Part I - Environmental Analysis

11:30 A.M. - 12:30 P.M. Lunch Hour

12:30 P.M. - 4:00 P.M. Part II - Architectural Planning

4:30 P.M. - 5:00 P.M.

II. TUESDAY, DECEMBER 11, 1979

Phoenix, Arizona 7:30 A.M. Report to Prescott Room, Phoenix Civic Plaza, 200 E. Washington

Tucson, Arizona 7:30 A.M. Report to Mohave Room, Tucson Community Center, 350 S. Church.

8:00 A.M. - 1:00 P.M. Part III - Design and Technology

1:00 P.M. - 1:30 P.M. Lunch Hour

1:30 P.M. - 5:30 P.M. Part IV - Construction

5:00 P.M. - 5:00 P.M.



State of Arizona
BOARD OF TECHNICAL REGISTRATION

04272

FOR ARCHITECTS, ASSAYERS, ENGINEERS, GEOLOGISTS, LANDSCAPE ARCHITECTS AND LAND SURVEYORS
1645 W. JEFFERSON, SUITE 315 • PHOENIX, ARIZONA 85007 • (602) 255-4053

SCHEDULE OF EXAMINATIONS
for Assayers, Engineers, Geologists and Land Surveyors

NOVEMBER 1979

I. SATURDAY, NOVEMBER 3, 1979

Tempe, Arizona 7:30 A.M. Report to Room G150, Engineering Center,
Arizona State University.

Tucson, Arizona 7:30 A.M. Report to Room 103, Center for English as a
Second Language (Bldg.23), University of Arizona

8:00 A.M. - 12:00 NOON

Part 1 - In-Training Exams - E.I.T. and G.I.T.

Part 1 - Fundamentals of Engineering - All branches

Part 1 - Basic Geology

Part 1 - Fundamentals of Land Surveying

Part 5 - Comprehensive Engineering Design - Structural Engineers

1:00 P.M. - 5:00 P.M.

Part 2 - In-Training Exams - E.I.T. and G.I.T.

Part 2 - Fundamentals of Engineering - All branches

Part 2 - Basic Geology

Part 2 - Fundamentals of Land Surveying

Part 6 - Structural Engineering Design

II. SUNDAY, NOVEMBER 4, 1979

Tempe, Arizona 7:30 A.M. Report to Room G150, Engineering Center,
Arizona State University

Tucson, Arizona 7:30 A.M. Report to Rooms 301 and 303, Civil Engineering
(Bldg. 72), University of Arizona

8:00 A.M. - 12:00 NOON

Part 3 - Principles and Practices of Engineering - All branches

Part 3 - Applied Geology

Part 3 - Principles and Practices of Land Surveying

1:00 P.M. - 5:00 P.M.

Part 4 - Principles and Practices of Engineering - All branches

Part 4 - Geological Problems

Part 4 - Land Surveying Legal Principles

MINUTES OF EXECUTIVE SESSION

October 12, 1979

A meeting of the Executive Committee was held in the office of the Board, 1645 W. Jefferson, Phoenix, Arizona on October 12, 1979 at 4:00 P.M.

PRESENT

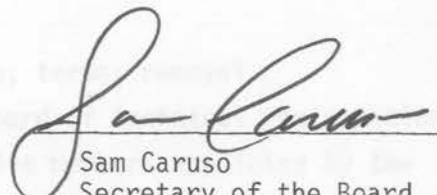
Rod J. Gomez, Chairman
 Kemper Goodwin, Vice Chairman
 Sam Caruso, Secretary
 Wayne O. Earley
 Charles E. O'Bannon
 John B. Trimble
 Earle M. Cassidy
 F. Mark Edson, Executive Director

ABSENT

Patrick H. Porcarello
 Rudolf A. Jimenez

This meeting was held to consider proposed changes to the statutes. Mr. Cassidy, former Board Member and former Executive Director, had been authorized by the Board to outline proposed changes, and he presented his outline to the Committee. A copy of his memorandum is attached to this report.

No other items were discussed. Meeting adjourned at 7:00 P.M.


 Sam Caruso
 Secretary of the Board

MEMORANDUM

October 10, 1979

TO: Members of the Board

FROM: Earle M. Cassidy

SUBJECT: PROPOSED CODE CHANGES FOR DISCUSSION ON OCTOBER 12, 1979

Copies of the current code booklet have been marked in red to indicate where deletions, changes or additions are proposed. This memorandum lists the amended or added language. Comments on these changes are attached as a separate item.

- 32-101 Purpose; definition
- A. (No change)
 - B. (Correct spelling of "context".)
 1. (No change)
 2. (Capitalize "National Council of Architectural Registration Boards".)
 3. (No change)
 4. (Delete if this proficiency is no longer registered. Make all additional deletions to conform.)
 5. (No change)
 6. (No change)
 7. (Delete last sentence.)
 8. (No change)
 9. (No change)
 10. (Delete last sentence.)
- 11-15 (No change)
- 32-102 Board establishment; membership; terms; removal
- A. There is established a state board of technical registration. The board shall consist of twelve members appointed by the governor. Each member is eligible to serve for a term of five years and is eligible for reappointment for no more than one additional term. Three of the members shall be architects, five shall be engineers, one shall be a geologist, one shall be a landscape architect, and two shall represent the public. One of the engineer members shall also be a land surveyor.
 - B. (Delete words indicated in red.)

32-103 Qualifications of members

Qualifications for appointment as a member of the board are:

1. Be a citizen of the United States and at least thirty-five years of age.
2. Have been a resident of the state for at least three years immediately preceding appointment.
3. For members other than members representing the public, be registered under this chapter and have had at least ten years of active professional practice immediately preceding appointment.

32-104 Compensation

Members of the board shall receive compensation as determined pursuant to §38-611 for each day of actual service in the business of the board; and, in addition thereto, shall be reimbursed for expenses necessarily incurred in carrying out the provisions of this chapter.

32-105 Organization

(Change third sentence as indicated in red.)

32-106 Powers and duties

- A.
- 1-3. (No change)
 4. Keep as a record all application files and a list of all registrations granted.
 5. (Old 4.; no change.)
 6. (Old 5.; no change.)
 7. (Old 6.; no change.)
 8. (No change)
- B. (No change)
- C. (No change)
- D. (Redesignate as Subsection E of Section 32-107.)
- E. (Change to D.)
- E. The members of the board are immune from personal liability as to any action taken in good faith within the scope of authority of this chapter.

32-106.01 (Change to 32-146 and relocate after 32-145.)

A - E. (No change)

32-107 Executive Director; duties, compensation; liability

- A. The board may employ an executive director and such other permanent or temporary personnel as it may deem necessary to carry out the purposes of this chapter. The executive director shall be registered under this chapter.
- B. The executive director shall be the custodian of the records of the board, receive applications for registration and lay them before the board, file complaints with the proper officials against violators of any provision of this chapter, assist in the prosecution of such cases and perform other duties the board prescribes.
- C. The executive director shall receive compensation as determined pursuant to § 38-611.
- D. (Relocate 32-106 E. here; change "board" to "executive director" as noted in red.)
- E. The executive director and any employees or agents acting for the board are immune from personal liability as to any action taken in good faith within the scope of authority of this chapter.

32-108 Annual report, filing of registrant lists

By January 31 of each year the board shall make a written report to the governor on the board's registration and disciplinary activities for the previous calendar year. A copy of the list of registrants shall be attached to the report. The board also shall file a copy of the list with the secretary of state and with the clerk of the board of supervisors of each county.

- 32-109 Technical registration fund
 - A. (Change "secretary" to "executive director".)
 - B. (No change)
 - C. (Delete. Comply with B. above.)

- 32-121 (Delete assaying as indicated.)

- 32-122 Qualifications of applicant
 - A. (No change)
 - B. An applicant for registration as a land surveyor shall be of good moral character and repute and shall have engaged actively for at least six years in land surveying work of a character satisfactory to the board, but each year of teaching land surveying or of study satisfactorily completed in a school approved by the board, up to a maximum of four years, may be considered equivalent to one year of active engagement.

- 32-123 Application for registration
 - A. A person desiring to practice architecture, engineering, geology, landscape architecture or land surveying shall make application for registration on a form prescribed by the board, subscribed under oath and accompanied by the application fee.
 - B. When, in the judgment of the board, the applicant has furnished satisfactory evidence of qualifications for registration, the board will then require the applicant to submit to an oral or written examination.

- 32-127 Renewal of certificates; fees, penalties, cancellation, waiver
 - C. When the board is satisfied that the applicant has fulfilled all its requirements for registration, it shall issue a certificate of registration, signed by the chairman and secretary and attested by the official seal.
 - D. If the application is denied, the application fee shall be returned, less the costs of considering the application, as determined by the board.

- 32-124 (Remember 32-127 and relocate here; delete last clause as indicated in red.)

32-125 (Old 32-124) Application, examination, miscellaneous fees
The board shall publish in its rules a schedule of fees for applications, examinations, and other miscellaneous services rendered. Such fees shall cover reasonable costs as determined by the board and shall not exceed the following amounts:

1. Application for certificate of registration

Resident.	\$50
Non-resident.	\$100
2. Application for In-training certificate \$25
3. Examination for a certificate \$150
4. Re-examination for a certificate. \$150
5. Registrant seal \$15
6. Duplicate certificate of registration. \$5
7. Annual reports. \$5
8. Other miscellaneous services.As required

F. The board may reinstate a retired registrant upon petition to the

32-126 (Old 32-125) Seals for registrants

- A. (Change "vocation" to "proficiency registered"; delete "or branches".)
- B. (No change)
- C. (Delete second clause as indicated; insert deletion as new D.)
- D. It is unlawful for a registrant to sign, stamp or seal any document not prepared by him or his bonafide employee.
- E. (Old D.)

32-127 Renewal of certificates; fees, penalties; cancellation; waiver

- A. Certificates of registration expire on December 31 of each year, and are invalid after that date unless renewed by payment of the renewal fees.
- B. The board shall establish the annual renewal fee for each certificate issued pursuant to this chapter. The fee shall not exceed fifty dollars.
- C. If the renewal fee is not paid prior to the expiration date, it shall be accompanied by a penalty fee equal to one-half of the renewal fee.

32-127--contd.

- D. If a certificate of registration has remained invalid for three consecutive years, it may be cancelled by the board. A new application, accompanied by the proper fee, shall be required for reregistration.
- E. The board may waive the renewal fee when the registrant presents evidence satisfactory to the board that he has (1) attained age 65, (2) retired from professional practice, and (3) paid all fees required by this chapter prior to waiver. During such period of waiver the registrant shall not engage in the practice in any proficiency regulated under this chapter, and a violation of this provision shall subject such registrant to the same penalties as are imposed by this chapter upon any holder of a certificate of registration.
- F. The board may reinstate a retired registrant upon petition to the board and payment of the renewal fee.

32-128

Suspension, revocation of certificate; censure or probation; complaints and hearings

- A. The board shall have the power to suspend or revoke the certificate of registration of, or to censure or place on probation any registrant under this chapter found guilty of any of the following acts:
 1. Fraud or misrepresentation in obtaining a certificate of registration, whether in the application or in the examinations.
 2. Gross negligency, incompetence or misconduct in the practice of his profession.
 3. Any felony or any crime involving moral turpitude.
 4. (Old 3.)
- B. The board may make investigations, employ investigators or conduct hearings to determine whether a certificate issued under this chapter should be suspended or revoked or whether a registrant

32-128--contd.

- should be censured or placed on probation. After receiving a complaint in writing, under oath, the board shall direct the executive director to file a verified complaint, or after receiving an oral or written complaint not under oath and after making an investigation to determine if sufficient evidence exists to warrant a complaint, the board may direct the executive director to file a verified complaint, charging a person registered under this chapter with a commission of an offense subject to disciplinary action and to give notice of hearing. The executive director shall then serve upon the accused, by registered mail, a copy of the verified complaint together with notice setting forth the charge or charges to be heard and the time and place of hearing. The hearing may not be less than thirty days after the mailing of the notice.
- C. (No change)
- D. If seven or more members of the board find the accused guilty, the board may suspend or revoke his certificate, or censure him or place him on probation. The board may reissue a revoked certificate upon the affirmative vote of seven or more members.
- E. Should the certificate of a registrant who is a principal of a firm or an executive officer of a corporation be suspended or revoked for cause attributable to the firm or corporation, the suspension or revocation may be deemed just cause for suspension or revocation of the certificates of all or any other principals or officers of the firm or corporation.
- F. (Old E.) The board shall immediately notify the secretary of state and the clerk of the board of supervisors of each county of the suspension or revocation of a certificate or of the reissuance of a revoked certificate.

32-129 Right to examine and copy evidence; summoning witnesses and documents; taking testimony; right to counsel; court aid

- A. In connection with an investigation by the board, the board or its duly authorized agents or employees at all reasonable times have the right of access to, for the purpose of examination, and the right to copy any documents, reports, records or any other physical evidence of any person being investigated, or the reports, records and any other documents maintained by and in possession of any firm or corporation or any other public or private agency, if such documents, reports, records or evidence relate to professional competence, unprofessional conduct or the mental or physical ability of a person registered under this chapter to practice his profession.
- B. For the purpose of all investigations and proceedings conducted by the board:
1. The board on its own initiative, or upon application of any person involved in the investigation, may issue subpoenas compelling the attendance and testimony of witnesses or demanding the production for examination or copying of documents or any other physical evidence if such evidence relates to professional competence, unprofessional conduct or the mental or physical ability of a person registered under this chapter to practice his profession. Within five days after the service of a subpoena on any person requiring the production of any evidence in his profession or under his control, such person may petition the board to revoke, limit or modify the subpoena. The board shall revoke, limit or modify such subpoena if, in its opinion, the evidence required does not relate to unlawful practices covered by this chapter, is not relevant to the charge which is the subject matter of the hearing or investigation or does not describe with sufficient particularity the physical evidence whose production is required. Any member of the board or any agent designated by the board may administer oaths or affirmations, examine witnesses and receive such evidence.
 2. Any person appearing before the board has the right to be represented by counsel.

32-129--contd.

3. The superior court, upon application by the board or by the person subpoenaed, has jurisdiction to issue an order either:
 - a. Requiring such person to appear before the board or the duly authorized agent to produce evidence relating to the matter under investigation.
 - b. Revoking, limiting or modifying the subpoena if in the court's opinion the evidence demanded does not relate to unlawful practices covered by this chapter, is not relevant to the charge which is the subject matter of the hearing or investigation or does not describe with sufficient particularity the evidence whose production is required.

Any failure to obey such order of the court may be punished by such court as contempt.

32-141 Firm or corporate practice
(No change)

32-142 Public works

- A. Drawings, plans, specifications and estimates for public works of the state or a political subdivision thereof involving architecture, engineering, geology, landscape architecture or land surveying shall be prepared by or under the personal direction and supervision of a qualified registrant. Construction of such works shall be inspected by or under the personal direction and supervision of a qualified registrant.
- B. Surveys or maps required in connection with public land surveying shall be made by or under the personal direction and supervision of a qualified registrant.

32-143 Exceptions
(No change)

COMMENTS ON CODE CHANGES

32-144 Exemptions and limitations

- A. Architecture, engineering, geology, landscape architecture and land surveying may be practiced without compliance with the requirements of this chapter by:
1. An officer or employee of the United States, practicing as such.
 2. An employee of a registrant or of a person exempt from registration, if such employment does not involve direct responsibility for design, inspection or supervision.
 3. A non-registrant who designs a building, structure or work, the cost of which does not exceed fifty thousand dollars, or who designs alterations to any of the above, the cost of which does not exceed fifteen thousand dollars.
 4. A non-registrant who designs a single-family dwelling or additions or alterations thereto, and including outbuildings such as garages, barns and storage sheds.
 5. A non-registrant who designs buildings, structures or works to be erected on property owned or leased by him or by a person, firm or corporation which employs such non-registrant on a full-time basis, if the buildings, structures or works are intended solely for the use of the owner or lessee of the property and are not for sale, rental or use by the public.
 6. A non-registrant who is a full-time employee of a firm or corporation engaged in utility, industrial, mining or manufacturing operations and who renders professional services regulated by this chapter in connection with the fabrication, production, sale and installation of products, systems or non-engineering services of such firm or corporation and provided that professional services regulated by this chapter are not offered directly to the public.

32-145 Violations by non-registrants

(No change)

32-146 Petition for injunction

(01d 32-106.01)

COMMENTS ON CODE CHANGES

32-101

- a. Delete assayer as a proficiency to be registered because of limited numbers (31) and limited danger to public safety, health and welfare.
- b. Delete references to mining in subsections B.7. and B.10; they should be adequately covered under 32-144.

32-102

- a. Recommend at least one board member for each proficiency and two public members. Don't believe one public member would be accepted.
- b. Five-year terms with one reappointment should lead to effective service within limits.
- c. A civil engineer/land surveyor member would watch out for the surveyors.

32-104

- a. Most boards now receive per diem and expenses.
- b. With the above, free renewals seem unnecessary.

32-105

Do not believe it is necessary to require that the quorum contain three engineers and two architects.

32-106

- a. Executive Director can be given authority to hire examination preparers.
- b. Desirable to spell out immunity.

32-107

- a. This section acknowledges existence of Executive Director for first time; board secretary has not done these duties for many years.

32-107--contd.

- b. Requirement for registration is common in other states and may help salary status.

32-122.B.

- a. Land surveyors want to be "of good moral character and repute", too.
- b. Six years of experience is common in western states.

32-123

Makes it more clear that an examination will be required.

32-124 (Old 32-126)

- a. Believe this order is more suitable.
- b. The only certificates of qualification accepted by us require registration in base state; so why bother to mention these certificates.

32-125 (Old 32-124)

- a. Fee limits are all higher than our present schedule; this will allow for some inflation and for rescheduling.

32-126 (Old 32-125)

New Subsection D emphasizes an important limit on the use of the seal. This item sometimes was missed when it was tacked onto the end of Subsection C.

32-127

- a. Rearranged to clarify.
- b. Fee limit is far above our current needs, but close to that charged by other Arizona boards.
- c. Renewal penalty is easier to calculate and may encourage those chronic late-payers.

32-127--contd.

- d. Waiver is a suggestion for handling the retired gang.
- e. Might want to consider a continuing education requirement or statement in this section.
- f. With study, a multi-year renewal system could be proposed at this time. See auditor general's report.

32-128

- a. Adds censure and probation to penalty possibilities.
- b. Adds other felonies (including bribery) to list of offenses.

32-129

- a. This section was suggested by Rep. McCarthy's bill introduced in last session. Appears to strengthen board's powers.
- b. Might want to consider insurance liability judgments in a section at this point. See Rep. McCarthy's bill and auditor general's comments.

32-142

Attempts to clarify the role of registrant during construction of public works.

32-144

- a. Eliminates the consulting associate exemption.
- b. May want to do more work with exemptions considered in Subsections 3,4,5,6.

32-146

It seems that this is the proper location for the unjunction section, since it applies mostly to non-registrants.

MINUTES OF EXECUTIVE SESSION

October 17, 1979

A meeting of the Executive Committee was held in the office of the Board, 1645 W. Jefferson, Phoenix, Arizona on October 17, 1979 at 1:00 P.M.

PRESENT

- Rod J. Gomez, Chairman
- Charles E. O'Bannon
- Sam Caruso, Secretary
- Wayne O. Earley
- Kemper Goodwin

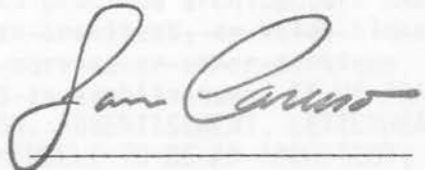
ABSENT

- Rudolf A. Jimenez
- Patrick H. Porcarello
- John B. Trimble

Although Dr. Jimenez and Mr. Trimble were not present, they had submitted outlines of their proposed changes to the statutes which were considered by the members present.

All Board members had previously received a draft report of proposed changes to the statutes outlined by Earle M. Cassidy, former Executive Director. This outline was used as a guide for drafting a consensus proposal to be submitted to the Joint Committee of Reference at a hearing on October 22, 1979. The preliminary draft of proposed statutory changes is attached to this report.

Meeting adjourned at 7:00 P.M.



Sam Caruso
Secretary of the Board

ARIZONA STATE BOARD OF TECHNICAL REGISTRATION

CHAPTER 1

ARTICLE 1. BOARD OF TECHNICAL REGISTRATION

32-101. Purpose; definitions

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A. The purpose of this chapter is to provide for the safety, health and welfare of the public through the promulgation and enforcement of standards of qualification for those individuals licensed and seeking licenses pursuant to this chapter.

B. In this chapter, unless the context otherwise requires:

1. "Architect" means a person who, by reason of his knowledge of the mathematical and physical sciences, and the principles of architecture and architectural engineering acquired by professional education, AND practical experience, ~~or both,~~ is qualified to engage in the practice of architecture as attested by his registration as an architect.

2. "Architect-in-training" means a candidate for registration as a professional architect who is a graduate of a school approved by the board as of satisfactory standing or who has experience as outlined in the current standards of the National Council of Architectural Registration Boards in architectural work of a character satisfactory to the board. In addition, the candidate shall have successfully passed the examination in the basic architectural subjects. Upon completion of the requisite years of training and experience in the field of architecture under the supervision of a professional architect satisfactory to the board, the architect-in-training shall be eligible for the second stage of the prescribed examination for registration as a professional architect.

3. "Architectural practice" means any service or creative work requiring architectural education, training and experience, and the application of the mathematical and physical sciences and the principles of architecture and architectural engineering to such professional services or creative work as consultation, evaluation, design and review of construction, evaluation, design and review of construction for conformance with contract documents and design, in connection with any building, planning or site development. A person shall be deemed to be practicing or offering to practice architecture ~~who in any manner represents himself to be an architect, or holds himself out as able to perform any architectural service or other services recognized by educational authorities as architecture.~~ IF HE PRACTICES ARCHITECTURE, OR BY VERBAL CLAIM, SIGN, ADVERTISEMENT, LETTERHEAD, CARD OR ANY OTHER MANNER REPRESENTS HIMSELF TO BE AN ARCHITECT, OR HOLDS HIMSELF OUT AS ABLE TO PERFORM OR DOES PERFORM ANY ARCHITECTURAL SERVICE RECOGNIZED BY EDUCATIONAL AUTHORITIES AS ARCHITECTURE.

~~4. "Assayer" means a person who analyzes metals, ores, minerals, or alloys in order to ascertain the quality of gold or silver or any other substance present in them.~~

4. "Board" means the state board of technical registration.

~~5. "Geologist" means a person who, by reason of his knowledge of the earth sciences and the principles of geology, and the principles of geology and geological engineering acquired by professional education, AND practical experience, is qualified to engage in the practice of geology as attested by his registration as a geologist.~~

46 5. "Engineer" means a professional engineer who, by reason of special
47 knowledge of the mathematical and physical sciences and the principles
48 and methods of engineering analysis and design, acquired by profes-
49 sional education ~~OR~~ AND practical experience, is qualified to practice
50 engineering as attested by his registration as a professional engineer.

51 6. "Engineering practice" means any professional service or creative
52 work requiring engineering education, training and experience and the
53 application of special knowledge of the mathematical, physical and
54 engineering sciences to such professional services or creative work as
55 consultation, research investigation, evaluation, planning, surveying,
56 design, location, development, and review of construction for conform-
57 ance with contract documents and design, in connection with any public
58 or private utility, structure, building, machine, equipment, process,
59 work or project. Such services and work include plans and designs
60 relating to the location, development, mining and treatment of ore and
61 other minerals. A person shall be deemed to be practicing or offering
62 to practice engineering if he practices any branch of the profession
63 of engineering, or by verbal claim, sign, advertisement, letterhead,
64 card or any other manner represents himself to be a professional
65 engineer, or holds himself out as able to perform or does perform any
66 engineering service or other service ~~OR~~ recognized by educational
67 authorities as engineering. ~~-A person employed on a full-time basis as
68 an engineer by an employer engaged in the business of developing,
69 mining and treating ores and other minerals shall not be deemed to be
70 practicing engineering for the purpose of this chapter if he engages
71 in the practice of engineering exclusively for and as an employee of
72 such employer and does not hold himself out and is not held out as
73 available to perform any engineering services for persons other than
74 his employer.~~

75 7. "Engineer-in-training" means a candidate for registration as a
76 professional engineer who is a graduate in an approved engineering
77 curriculum of four years or more of a school approved by the board as
78 of satisfactory standing, or who has had four years or more of exper-
79 ience in engineering work of a character satisfactory to the board,
80 and, in addition, has successfully passed the examination in the basic
81 engineering subjects, and who, upon completion of the requisite years
82 of training and experience in engineering under the supervision of a
83 professional engineer satisfactory to the board, is eligible for the
84 second stage of the prescribed examination for registration as a
85 professional engineer.

86 8. "Geological practice" means any professional service or work
87 requiring geological education, training, and experience, and the
88 application of special knowledge of the earth sciences to such profes-
89 sional services as consultation, evaluation of mining properties,
90 petroleum properties, and ground water resources, professional super-
91 vision of exp;oration for mineral natural resources including metallic
92 and nonmetallic ores, petroleum, and ground water, and the geological
93 phases of engineering investigations. A PERSON SHALL BE DEEMED TO
94 BE PRACTICING OR OFFERING TO PRACTICE GEOLOGY IF HE PRACTICES GEOLOGY,
95 OR BY VERBAL CLAIM, SIGN, ADVERTISEMENT, LETTERHEAD, CARD OR ANY OTHER
96 MANNER REPRESENTS HIMSELF TO BE A PROFESSIONAL GEOLOGIST, OR HOLDS
97 HIMSELF OUT AS ABLE TO PERFORM OR DOES PERFORM ANY GEOLOGICAL SERVICE
98 OR OTHER SERVICE RECOGNIZED BY EDUCATIONAL AUTHORITIES AS GEOLOGY.

but shall not include the design of structures or facilities with

100 9. "Geologist" means a person, not of necessity an engineer, who
 101 by reason of his special knowledge of the earth sciences and the
 102 principles and methods of search for and appraisal of mineral or
 103 other natural resources acquired by professional education and
 104 practical experience is qualified to practice geology as attested
 105 by his registration as a professional geologist. -A-person-employed-
 106 on-a-full-time-basis-as-a-geologist-by-an-employer-engaged-in-the-
 107 business-of-developing,-mining-or-treating-ores-and-other-minerals
 108 shall-not-be-deemed-to-be-engaged-in-"geological-practice"-for-the
 109 purposes-of-this-chapter-if-he-engages-in-geological-practice-exclu-
 110 sively-for-an-as-an-employee-of-such-employer-and-does-not-hold-
 111 himself-out-and-is-not-held-out-as-available-to-perform-any-geological
 112 services-for-persons-other-than-his-employer.

113 10. "Geologist-in-training" means a candidate for registration as
 114 a professional geologist who is a graduate of a school approved by
 115 the board as of satisfactory standing or who has had four years or
 116 more of experience in geological work of a character satisfactory to
 117 the board. In addition, the candidate shall have successfully passed
 118 the examination in the basic geology subjects. Upon completion of the
 119 requisite years of training and experience in the field of geology
 120 under the supervision of a professional geologist satisfactory to the
 121 board, the geologist-in-training shall be eligible for the second
 122 stage of the prescribed examination for registration as a professional
 123 geologist.

124 11. "Landscape architect" means a person who, by reason of his
 125 professional education, AND practical experience, -or-both is qualified
 126 to engage in the practice of landscape architecture as attested by
 127 his registration as a landscape architect.

128 12. "Landscape architect-in-training" means a candidate for registra-
 129 tion as a professional landscape architect who is a graduate of a
 130 school approved by the board as of satisfactory standing or who has had
 131 four years or more of experience in landscape architectural work of a
 132 character satisfactory to the board. In addition, the candidate shall
 133 have successfully passed the examination in the basic landscape archi-
 134 tectural subjects. Upon completion of the requisite years of training
 135 and experience in the field of landscape architecture under the super-
 136 vision of a professional landscape architect satisfactory to the board,
 137 the landscape architect-in-training shall be eligible for the second
 138 stage of the prescribed examination for registration as a professional
 139 landscape architect.

140 13. "Landscape architectural practice" means the performance of
 141 professional services such as consultations, investigation, reconnais-
 142 sance, research, planning, design, or responsible supervision in con-
 143 nection with the development of land and incidental water areas where,
 144 and to the extent that the dominant purpose of such services is the
 145 preservation, enhancement or determination of proper land uses, natural
 146 land features, ground cover and planting, naturalistic and esthetic
 147 values, the settings and approaches to buildings, structures, facilities,
 148 or other improvements, natural drainage and the consideration and the
 149 determination of inherent problems of the land relating to erosion,
 150 wear and tear, light or other hazards. This practice shall include the
 151 location and arrangement of such tangible objects and features as are
 incidental and necessary to the purposes outlined in this paragraph,

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but shall not include the design of structures or facilities with separate and self-contained purposes for habitation or industry, such as are ordinarily included in the practice of engineering or architecture; and shall not include the making of cadastral surveys or final land plats for official recording or approval, nor mandatorially include planning for governmental subdivisions. A PERSON SHALL BE DEEMED TO BE PRACTICING OR OFFERING TO PRACTICE LANDSCAPE ARCHITECTURE IF HE PRACTICES LANDSCAPE ARCHITECTURE, OR BY VERBAL CLAIM, SIGN, ADVERTISEMENT, LETTERHEAD, CARD OR ANY OTHER MANNER REPRESENTS HIMSELF TO BE A PROFESSIONAL LANDSCAPE ARCHITECT, OR HOLDS HIMSELF OUT AS ABLE TO PERFORM OR DOES PERFORM ANY LANDSCAPE ARCHITECTURAL SERVICES OR OTHER SERVICES RECOGNIZED BY EDUCATIONAL AUTHORITIES AS LANDSCAPE ARCHITECTURE.

14. "Land surveyor" means a person who engages in the practice of surveying tracts of land for the determination of their correct locations, areas, boundaries, and description, for the purpose of conveyancing and recording, or for establishment or re-establishment of boundaries and plotting of lands and subdivisions, AS ATTESTED BY HIS REGISTRATION AS A LAND SURVEYOR. A PERSON SHALL BE DEEMED TO BE PRACTICING OR OFFERING TO PRACTICE LAND SURVEYING IF HE PRACTICES LAND SURVEYING, OR BY VERBAL CLAIM, SIGN, ADVERTISEMENT, LETTERHEAD, CARD OR ANY OTHER MANNER REPRESENTS HIMSELF TO BE A PROFESSIONAL LAND SURVEYOR, OR HOLDS HIMSELF OUT AS ABLE TO PERFORM ANY LAND SURVEYING SERVICES OR OTHER SERVICES RECOGNIZED BY EDUCATIONAL AUTHORITIES AS LAND SURVEYING.

C. "RULES OF PROFESSIONAL CONDUCT", AS USED IN THIS STATUTE, SHALL MEAN THOSE RULES PROMULGATED BY THE REGISTRATION BOARD.

32-102. BOARD ESTABLISHMENT; MEMBERSHIP; TERMS; REMOVAL

~~A. There shall be a state board of technical registration. The board shall consist of nine appointive members, who shall be appointed by the governor. Three of the appointive members shall be architects, five shall be professional engineers and the remaining member shall be an assayer, landscape architect, geologist or surveyor.~~

A. THERE IS ESTABLISHED A STATE BOARD OF TECHNICAL REGISTRATION. THE BOARD SHALL CONSIST OF FIFTEEN MEMBERS APPOINTED BY THE GOVERNOR. EACH MEMBER IS ELIGIBLE TO SERVE FOR A TERM OF FIVE YEARS AND IS ELIGIBLE FOR REAPPOINTMENT FOR NO MORE THAN ONE ADDITIONAL TERM. FOUR OF THE MEMBERS SHALL BE ARCHITECTS; SIX SHALL BE ENGINEERS OF WHICH A MINIMUM OF THREE DISCIPLINES ARE REPRESENTED; ONE SHALL BE A GEOLOGIST, ONE SHALL BE A LANDSCAPE ARCHITECT; ONE SHALL BE A LAND SURVEYOR; AND TWO SHALL BE PUBLIC LAY MEMBERS. APPOINTMENTS SHALL BE STAGGERED SO THAT NO MORE THAN THREE MEMBERS ARE REPLACED IN ANY ONE YEAR.

B. Upon the expiration of any ~~of the terms~~ TERM a successor, qualified pursuant to subsection A of this section, shall be appointed for a full term. ~~of three years.~~ The governor may remove an appointive A member of the board for misconduct, incapacity or neglect of duty. EACH MEMBER SHALL HOLD OFFICE UNTIL THE EXPIRATION OF THE TERM FOR WHICH APPOINTED OR UNTIL A SUCCESSOR HAS BEEN DULY APPOINTED AND HAS QUALIFIED. IN THE EVENT OF A VACANCY ON THE BOARD FOR ANY REASON AND THE GOVERNOR FAILING TO APPOINT A SUCCESSOR WITHIN THREE MONTHS AFTER THE VACANCY OCCURS, THE BOARD IS EMPOWERED TO FILL THAT VACANCY UNTIL THE GOVERNOR MAKES AN APPOINTMENT. Appointment to fill a vacancy caused other than by expiration of term shall be for the unexpired portion of the term.

32-103. Qualifications of members

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~~Appointive members of the board shall:~~
QUALIFICATIONS FOR APPOINTMENT AS A MEMBER OF THE BOARD ARE:
1. BE A CITIZEN OF THE UNITED STATES AND be at least thirty-five years of age.
2. Have been a resident of the state for at least three FIVE years immediately preceding his appointment.
~~3. Have had at least ten years active experience as attested by registration under this chapter, except that years of practice in the state may be substituted for years of registration if a profession or occupation to be represented on the board has come under the provisions of this chapter within the ten-year period immediately preceding such appointment.~~
3. PROFESSIONAL MEMBERS, OTHER THAN PUBLIC LAY MEMBERS, MUST BE REGISTERED UNDER THIS CHAPTER FOR AT LEAST TEN YEARS IMMEDIATELY PRECEDING APPOINTMENT.
4. PUBLIC LAY MEMBERS SHALL NOT BE REGISTERED, HAVE BEEN REGISTERED, NOR ASSOCIATED WITH ANY PROFESSIONAL SERVICES LICENSED OR REGISTERED UNDER THIS STATUTE.

32-104. Compensation

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~~A. Members of the board shall receive no compensation for their services.~~
~~B. The certificate of registration of board members shall be renewed without payment of the renewal fee.~~
MEMBERS OF THE BOARD SHALL RECEIVE COMPENSATION AS DETERMINED PURSUANT TO §38-611 FOR EACH DAY OF ACTUAL SERVICE IN THE BUSINESS OF THE BOARD: AND, IN ADDITION THERETO, SHALL BE REIMBURSED FOR EXPENSES NECESSARILY INCURRED IN CARRYING OUT THE PROVISIONS OF THIS CHAPTER.

32-105. Organization.

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The board shall annually elect from its membership a chairman, vice-chairman and secretary. It shall hold at least two- FOUR regular meetings each year and such special or called meetings as the by-laws provide. Not less than five- EIGHT members, of whom at least two shall be architects and three engineers, shall constitute a quorum for the transaction of business.

32-106. Powers and duties

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A. The board shall:
~~1. Adopt by-laws and rules for the conduct of its meetings and performance of duties imposed upon it by law.~~
1. HAVE THE POWER TO ADOPT AND AMEND ALL BY-LAWS AND RULES OF PROCEDURE NOT INCONSISTENT WITH THE CONSTITUTION AND REVISED STATUTES OF THIS STATE, INCLUDING THE ADOPTION AND PROMULGATION OF RULES OF PROFESSIONAL CONDUCT WHICH MAY BE REASONABLY NECESSARY FOR THE PROPER PERFORMANCE OF ITS DUTIES AND THE REGULATION OF ITS PROCEDURES, MEETINGS, RECORDS, EXAMINATIONS AND THE CONDUCT THEREOF. THESE ACTIONS BY THE BOARD SHALL BE BINDING UPON PERSONS REGISTERED UNDER THIS STATUTE.

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- 2. Adopt an official seal for attestation of certificates or registration and other official papers or documents.
- 3. Consider and pass upon applications for registration.
- 4. ~~Keep a register which shall show the date of each application for registration, the name, age, qualification and place of business of the applicant, and the disposition of the application.~~
KEEP AS A RECORD ALL APPLICATION FILES AND A LIST OF ALL REGISTRATIONS GRANTED.
- 5. Hear and pass upon complaints or charges.
- 6. Compel attendance of witnesses, administer oaths and take testimony concerning all matters coming within its jurisdiction.
- 7. Keep a record of its proceedings.
- 8. Do other things necessary to carry out the purposes of this chapter.

B. THE BOARD MAY, WHEN NECESSARY TO PROTECT THE PUBLIC'S HEALTH, SAFETY OR WELFARE, REQUIRE SUCH EVIDENCE AS IT DEEMS NECESSARY TO ESTABLISH THE CONTINUING COMPETENCY OF REGISTRANTS UNDER THIS STATUTE AS A CONDITION OF RENEWAL OF LICENSES.

C. The board shall specify on the certificate of registration and annual renewal card issued to each registered-engineer REGISTRANT the branch of engineering OR DISCIPLINE in which he has demonstrated proficiency, and authorize him to use the PROFESSIONAL title of-registered-professional engineer. The board shall decide what branches of-engineering OR DISCIPLINES shall be thus recognized.

D. The board may hold membership in and be represented at national councils or organizations of proficiencies registered under this chapter and may pay the appropriate membership fees. The board may conduct standard examinations on behalf of national councils, and may establish fees therefor.

E. The board is authorized to rent necessary office space and pay the cost thereof from the technical registration fund.

F. THE MEMBERS OF THE BOARD ARE IMMUNE FROM PERSONAL LIABILITY AS TO ANY ACTION TAKEN IN GOOD FAITH WITHIN THE SCOPE OF AUTHORITY OF THIS CHAPTER.

G. BOARD RECORDS AND PAPERS OF THE FOLLOWING CLASS ARE OF CONFIDENTIAL NATURE AND ARE NOT PUBLIC RECORDS: EXAMINATION MATERIAL, FILE RECORDS OF EXAMINATION GRADING AND PERFORMANCE, TRANSCRIPTS OF EDUCATIONAL INSTITUTIONS, LETTERS OF INQUIRY AND REFERENCE CONCERNING APPLICANTS, BOARD INQUIRY FORMS CONCERNING APPLICANTS, INVESTIGATION FILES WHERE ANY INVESTIGATION IS STILL PENDING, AND ALL OTHER MATERIALS OF LIKE CONFIDENTIAL NATURE.

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32-107. Board-secretary; EXECUTIVE DIRECTOR; duties; compensation; LIABILITY

A. THE BOARD MAY EMPLOY AN EXECUTIVE DIRECTOR AND SUCH OTHER PERMANENT OR TEMPORARY PERSONNEL AS IT MAY DEEM NECESSARY TO CARRY OUT THE PURPOSES OF THIS CHAPTER. THE EXECUTIVE DIRECTOR SHALL BE REGISTERED UNDER THIS CHAPTER.

B. (Old A.) The secretary EXECUTIVE DIRECTOR shall be the custodian of the records of the board, receive applications for registration and lay them before the board, file complaints with the proper officials against violators of any provision of this chapter, assist in the prosecution of such cases and perform other duties the board prescribes.

C (Old B.) The secretary EXECUTIVE DIRECTOR shall receive compensation as determined pursuant to §38-611.

D. (Old 32-106.D.) The board EXECUTIVE DIRECTOR is authorized to employ and pay on a fee basis persons, including full time employees of a state institution, bureau or department, to prepare and grade examinations given to applicants for registration and to fix the fee to be paid for such services. Such employees are authorized to prepare, grade and monitor examinations, and perform other services the board authorizes, and to receive payment therefor from the technical registration fund.

E. THE EXECUTIVE DIRECTOR AND ANY EMPLOYEES OR AGENTS ACTING FOR THE BOARD ARE IMMUNE FROM PERSONAL LIABILITY AS TO ANY ACTION TAKEN IN GOOD FAITH WITHIN THE SCOPE OF AUTHORITY OF THIS CHAPTER.

32-108. Annual report;-filing-copies-of-lists-of-registrants-

~~In-January~~ BY AUGUST 31 of each year the board shall make a WRITTEN report to the governor ~~which shall be accompanied by a copy of the list of registrants.~~ ON THE BOARD'S REGISTRATION OPERATIONS, CHANGES IN RULES AND REGULATIONS, FINANCIAL CONDITION, AND DISCIPLINARY ACTIVITIES FOR THE PREVIOUS FISCAL YEAR. A copy of the ~~list~~ REPORT shall also be filed with the secretary of state and with the clerk of the board of supervisors of each county.

32-109. Technical registration fund

A. The secretary EXECUTIVE DIRECTOR shall transmit to the state treasurer all fees or other revenues received by the board. The treasurer shall place ten per cent of all fees and revenues in the general fund to assist in defraying the cost of maintaining the state government and shall place the remainder in a separate fund known as the technical registration fund, to be used only in defraying expenses of the board and in ~~prosecuting~~ INVESTIGATING violations of this chapter.

B. Monies deposited in the technical registration fund shall be subject to the provisions of section 35-143.01.

~~G. --The board shall not incur any expenses or approve any claim against the fund in excess of the balance therein, nor shall the department of administration, division of finance issue a warrant against the fund in excess of such balance.~~

~~E. (Old C.) If the application is denied, the registration APPLICATION fee shall be returned, less the cost of considering the application, as determined by the board.~~

ARTICLE 2. REGISTRATION

32-121. Certificate required for practice of architecture, assaying, engineering, geology, landscape architecture, or land surveying

A person desiring to practice the profession of architecture, assaying, engineering, geology, landscape architecture, or land surveying shall first secure a certificate of registration and shall comply with all the conditions prescribed in this chapter.

32-122. Qualifications of applicant

A. An applicant for registration as an architect, engineer, geologist or landscape architect shall be of good moral character and repute, and shall have engaged actively for at least eight years in architectural, engineering, geological or landscape architectural work EDUCATION AND EXPERIENCE of a character satisfactory to the board, but each year of teaching architectural, engineering, geological, or landscape architectural subjects or of study satisfactorily completed in an architectural, engineering, geological, or landscape architectural school approved by the board up to a maximum of five years, may be considered equivalent to one year of active engagement.

B. An applicant for registration as an ~~an assayer or~~ a land surveyor SHALL BE OF GOOD MORAL CHARACTER AND REPUTE AND shall have engaged actively for at least ~~four~~ SIX years in ~~assaying or~~ land surveying work of a character satisfactory to the board, but each year of teaching ~~assaying or~~ land surveying or of study satisfactorily completed in a school approved by the board, ~~up to a maximum of five years,~~ may be considered equivalent to one year of active engagement, UP TO A MAXIMUM OF FOUR YEARS.

32-123. Application for registration

A. A person desiring to practice architecture, assaying, engineering, geology, landscape architecture, or land surveying shall make application for registration on a form prescribed by the board, subscribed under oath and accompanied by the registration APPLICATION fee. ~~If the evidence submitted satisfies the board that the applicant is fully qualified to practice the profession for which registration is asked, it shall give him a certificate of registration, signed by the chairman and secretary and attested by the official seal.~~

B. WHEN, ~~if~~ in the judgment of the board, the applicant has not furnished satisfactory evidence of qualifications for registration, ~~it~~ THE BOARD ~~may~~ WILL THEN require additional data, ~~or may require~~ the applicant to submit to an ~~oral or~~ A written examination.

C. (Old 32-126) The board may register without examination an applicant who holds a valid and subsisting certificate of registration issued by another state or foreign country which has requirements for registration satisfactory to the board ~~or who holds a certificate of qualification issued by a national bureau of registration or certification.~~

D. WHEN THE BOARD IS SATISFIED THAT THE APPLICANT HAS COMPLETED ALL ITS REQUIREMENTS FOR REGISTRATION, IT SHALL ISSUE A CERTIFICATE OF REGISTRATION, SIGNED BY THE CHAIRMAN AND SECRETARY AND ATTESTED BY THE OFFICIAL SEAL.

E. (Old C.) If the application is denied, the registration APPLICATION fee shall be returned, less the cost of considering the application, as determined by the board.

32-124. Registration, examination and miscellaneous fees

The board shall publish in its rules a schedule of fees for applications, examinations, and such other miscellaneous fees for services rendered as required which shall not exceed one hundred dollars. SUCH FEES SHALL COVER REASONABLE COSTS AS DETERMINED BY THE BOARD AND SHALL NOT EXCEED THE FOLLOWING AMOUNTS:

APPLICATION FOR CERTIFICATE OF REGISTRATION

RESIDENT \$50

NON-RESIDENT \$100

APPLICATION FOR IN-TRAINING CERTIFICATE \$25

REASONABLE FEES FOR EXAMINATION MATERIALS, CERTIFICATES, ROSTERS, SEALS, ANNUAL REPORTS AND OTHER PUBLISHED MATERIALS AND SERVICES SHALL BE ESTABLISHED BY THE BOARD.

32-125. Seals for registrants

A. The board shall adopt and prescribe seals for use of registrants who hold valid certificates. Each seal shall bear the name of the registrant, shall state the vocation REGISTERED DISCIPLINE OR BRANCH and, in the case of engineering, the branch or branches thereof he is permitted to practice, and other data the board deems pertinent.

B. Plans, specifications, plats or reports prepared by a registrant or his bona fide employee, shall be issued under his seal. AND SIGNATURE.

C. It is unlawful for a registrant whose certificate has expired or has been revoked or suspended to use the seal or for a registrant to sign, stamp or seal any document not prepared by him or his bona fide employee.

D. IT IS UNLAWFUL FOR A REGISTRANT TO SIGN, STAMP OR SEAL ANY DOCUMENT NOT PREPARED BY HIM OR HIS BONA FIDE EMPLOYEE.

E. (Old D.) It shall be unlawful for any nonregistrant to cause or permit the illegal use of a registrant's seal, signature or stamp on any document prepared by the nonregistrant.

32-126. Renewal of certificates; FEES; delinquency penalty; PENALTIES; renewal fees; CANCELLATION; WAIVER

A. -- Certificates of registration shall expire on December 31 of each year, and shall be invalid after that date unless renewed by payment of the required renewal fee. -- If the renewal fee is not paid prior to the expiration date, it shall be accompanied by a penalty of ten per cent for each month or fraction of a month of delinquency.

B. -- If a registration has lapsed for three years, a new application, accompanied by the proper fee, shall be required, but time spent by a registrant in any branch of the armed forces of the United States since 1939 shall not be included in computing the three-year period.

C. -- The board shall establish the annual renewal fees for each proficiency registered under this chapter which shall not exceed twenty-five dollars.

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A. THE BOARD SHALL ESTABLISH A STAGGERED SYSTEM FOR RENEWING CERTIFICATES OF REGISTRATION ON A TRIENNIAL BASIS, ARRANGED SO THAT APPROXIMATELY ONE-THIRD OF THE TOTAL NUMBER OF REGISTRATION CERTIFICATES EXPIRE EACH YEAR AND ARE INVALID AFTER EXPIRATION UNLESS RENEWED BY PAYMENT OF THE RENEWAL FEES.

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B. THE BOARD SHALL ESTABLISH THE ANNUAL RENEWAL FEE FOR EACH CERTIFICATE ISSUED PURSUANT TO THIS CHAPTER. THE ANNUAL RENEWAL FEE SHALL NOT EXCEED FIFTY DOLLARS.

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C. IF THE RENEWAL FEE IS NOT PAID PRIOR TO THE EXPIRATION DATE, IT SHALL BE ACCOMPANIED BY A PENALTY FEE EQUAL TO ONE-HALF OF THE ANNUAL RENEWAL FEE.

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D. IF A CERTIFICATE OF REGISTRATION HAS REMAINED INVALID FOR THREE CONSECUTIVE YEARS, IT MAY BE CANCELLED BY THE BOARD. A NEW APPLICATION, ACCOMPANIED BY THE APPLICATION FEE, SHALL BE REQUIRED FOR RE-REGISTRATION.

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E. THE BOARD MAY WAIVE THE RENEWAL FEE FOR REGISTRANTS WHO ARE RETIRED FROM ACTIVE PRACTICE AND WHO HAVE ATTAINED THE AGE OF 65 YEARS, WHEN AND AS PROVIDED FOR IN THE RULES OF THE BOARD. THE BOARD MAY REINSTATE A RETIRED REGISTRANT UPON PETITION TO THE BOARD AND PAYMENT OF THE RENEWAL FEE.

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F. THE BOARD MAY ISSUE SUCH RULES AND REGULATIONS AS IT DEEMS NECESSARY TO ACCOMPLISH THE TRANSITION FROM A CALENDAR YEAR SYSTEM TO THE TRIENNIAL SYSTEM ESTABLISHED BY THIS SECTION. RENEWAL FEES MAY BE PRO-RATED FROM THE ANNUAL RENEWAL FEE BASE FOR ANY NUMBER OF MONTHS TO A MAXIMUM OF 42 MONTHS IN EFFECTING THE TRANSITION TO A TRIENNIAL SYSTEM.

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32-127 SUSPENSION; revocation of certificate; CENSURE OR PROBATION; ~~hearing;~~
~~notice-of-findings;~~ COMPLAINTS AND HEARINGS

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~~A. The board may take disciplinary action against the holder of a certificate under this chapter, charged with the commission of any of the following acts:~~ THE BOARD SHALL HAVE THE POWER TO SUSPEND OR REVOKE THE CERTIFICATE OF REGISTRATION OF, OR TO CENSURE OR PLACE ON PROBATION ANY REGISTRANT UNDER THIS CHAPTER FOUND GUILTY OF ANY OF THE FOLLOWING ACTS:

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1. Fraud or misrepresentation in obtaining a certificate of qualification REGISTRATION, whether in the application or in the qualification examination EXAMINATIONS.

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2. Gross negligency, incompetence, ~~bribery,~~ or other misconduct in the practice of his profession.

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3. ANY FELONY OR ANY CRIME INVOLVING MORAL TURPITUDE.

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4. (Old 3.) Aiding or abetting an unregistered person to evade the provisions of this chapter or knowingly combining or conspiring with an unregistered person, or allowing one's registration to be used by an unregistered person or acting as agent, partner, associate or otherwise,

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of an unregistered person with intent to evade provisions of this chapter.

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B. The board ~~shall have authority to~~ may make investigations, employ investigators, and conduct hearings to determine whether a ~~license-~~ CERTIFICATE issued under this chapter should be revoked or suspended OR WHETHER A REGISTRANT SHOULD BE CENSURED OR PLACED ON PROBATION ~~upon~~. AFTER RECEIVING a complaint in writing, under oath, THE BOARD SHALL DIRECT THE EXECUTIVE DIRECTOR TO FILE A VERIFIED COMPLAINT, or ~~when~~ AFTER receiving an oral or written complaint not under oath, ~~makes~~ AFTER MAKING an investigation ~~into such complaint and determines~~ TO DETERMINE ~~that there is~~ if sufficient evidence EXISTS to warrant a hearing COMPLAINT, THE BOARD ~~on its own motion~~ may direct the ~~secretary~~ EXECUTIVE DIRECTOR to file a verified complaint, charging a ~~possessor of a certificate~~ PERSON REGISTERED under this chapter, with commission of an offense subject to disciplinary action and give notice of hearing. The ~~secretary-~~ EXECUTIVE DIRECTOR shall then serve upon the accused, by registered mail, a copy of the VERIFIED complaint together with notice setting forth the charge or charges to be heard and the time and place of hearing, ~~which~~ THE HEARING ~~shall~~ MAY not be less than thirty days ~~succeeding~~ AFTER the mailing of THE notice.

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C. The accused may appear personally or by his attorney at the hearing and present witnesses and evidence in his defense and he may cross-examine witnesses against him.

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D. If ~~five~~ EIGHT or more members of the board find the accused guilty, his certificate shall be suspended or revoked, THE BOARD MAY SUSPEND OR REVOKE HIS CERTIFICATE, OR CENSURE HIM OR PLACE HIM ON PROBATION. ~~but~~ may-be-reissued-upon-the-affirmative-vote-of-five-or-more-members-of-the-board. THE BOARD MAY REISSUE A REVOKED CERTIFICATE UPON THE AFFIRMATIVE VOTE OF EIGHT OR MORE MEMBERS.

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E. (Was last paragraph of D.) Should the certificate of a registrant who is a principal of a firm or an executive officer of a corporation be suspended or revoked for cause attributable to the firm or corporation, said revocation may be deemed just cause for revocation of the certificates of all or any other principals or officers of the firm or corporation.

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F. (Old E.) The board shall immediately notify the secretary of state and the clerk of the board of supervisors of each county in the state of the revocation of a certificate or of the reissuance of a revoked certificate.

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32-128. RIGHT TO EXAMINE AND COPY EVIDENCE; SUMMONING WITNESSES AND DOCUMENTS; TAKING TESTIMONY; RIGHT TO COUNSEL; COURT AID

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A. IN CONNECTION WITH AN INVESTIGATION BY THE BOARD, THE BOARD OR ITS DULY AUTHORIZED AGENTS OR EMPLOYEES AT ALL REASONABLE TIMES HAVE THE

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RIGHT OF ACCESS TO, FOR THE PURPOSE OF EXAMINATION, AND THE RIGHT TO COPY ANY DOCUMENTS, REPORTS, RECORDS OR ANY OTHER PHYSICAL EVIDENCE OF ANY PERSON BEING INVESTIGATED, OR THE REPORTS, RECORDS AND ANY OTHER DOCUMENTS MAINTAINED BY AND IN POSSESSION OF ANY FIRM OR CORPORATION OR ANY OTHER PUBLIC OR PRIVATE AGENCY, IF SUCH DOCUMENTS, REPORTS, RECORDS OR EVIDENCE RELATE TO PROFESSIONAL COMPETENCE, UNPROFESSIONAL CONDUCT OR THE MENTAL OR PHYSICAL ABILITY OF A PERSON REGISTERED UNDER THIS CHAPTER TO PRACTICE HIS PROFESSION.

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B. FOR THE PURPOSE OF ALL INVESTIGATIONS AND PROCEEDINGS CONDUCTED BY THE BOARD:

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1. THE BOARD ON ITS OWN INITIATIVE, OR UPON APPLICATION OF ANY PERSON INVOLVED IN THE INVESTIGATION, MAY ISSUE SUBPOENAS COMPELLING THE ATTENDANCE AND TESTIMONY OF WITNESSES OR DEMANDING THE PRODUCTION FOR EXAMINATION OR COPYING OF DOCUMENTS OR ANY OTHER PHYSICAL EVIDENCE IF SUCH EVIDENCE RELATES TO PROFESSIONAL COMPETENCE, UNPROFESSIONAL CONDUCT OR THE MENTAL OR PHYSICAL ABILITY OF A PERSON REGISTERED UNDER THIS CHAPTER TO PRACTICE HIS PROFESSION. WITHIN FIVE DAYS AFTER THE SERVICE OF A SUBPOENA ON ANY PERSON REQUIRING THE PRODUCTION OF ANY EVIDENCE IN HIS POSSESSION OR UNDER HIS CONTROL, SUCH PERSON MAY PETITION THE BOARD TO REVOKE, LIMIT OR MODIFY THE SUBPOENA. THE BOARD SHALL REVOKE, LIMIT OR MODIFY SUCH SUBPOENA IF, IN ITS OPINION, THE EVIDENCE REQUIRED DOES NOT RELATE TO UNLAWFUL PRACTICES COVERED BY THIS CHAPTER, IS NOT RELEVANT TO THE CHARGE WHICH IS THE SUBJECT MATTER OF THE HEARING OR INVESTIGATION OR DOES NOT DESCRIBE WITH SUFFICIENT PARTICULARITY THE PHYSICAL EVIDENCE WHOSE PRODUCTION IS REQUIRED. ANY MEMBER OF THE BOARD OR ANY AGENT DESIGNATED BY THE BOARD MAY ADMINISTER OATHS OR AFFIRMATIONS, EXAMINE WITNESSES AND RECEIVE SUCH EVIDENCE.

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2. ANY PERSON APPEARING BEFORE THE BOARD HAS THE RIGHT TO BE REPRESENTED BY COUNSEL.

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3. THE SUPERIOR COURT, UPON APPLICATION BY THE BOARD OR BY THE PERSON SUBPOENAED, HAS JURISDICTION TO ISSUE AN ORDER EITHER:
a. REQUIRING SUCH PERSON TO APPEAR BEFORE THE BOARD OR THE DULY AUTHORIZED AGENT TO PRODUCE EVIDENCE RELATING TO THE MATTER UNDER INVESTIGATION.
b. REVOKING, LIMITING OR MODIFYING THE SUBPOENA IF IN THE COURT'S OPINION THE EVIDENCE DEMANDED DOES NOT RELATE TO UNLAWFUL PRACTICES COVERED BY THIS CHAPTER, IS NOT RELEVANT TO THE CHARGE WHICH IS THE SUBJECT MATTER OF THE HEARING OR INVESTIGATION OR DOES NOT DESCRIBE WITH SUFFICIENT PARTICULARITY THE EVIDENCE WHOSE PRODUCTION IS REQUIRED.

ANY FAILURE TO OBEY SUCH ORDER OF THE COURT MAY BE PUNISHED BY SUCH COURT AS CONTEMPT.

1. A consulting associate of a registrant, if he is a resident with no established place of business in this state and is qualified to practice in the state or county where he resides.

2. (old 3) An employee of a registrant or of a person exempt from registration, if such employment does not involve direct responsibility for design, inspection or supervision.

ARTICLE 3. REGULATORY PROVISIONS

557 32-141. Firm or corporate practice

558 A. No firm or corporation shall engage in the practice of architecture,
 559 ~~assaying~~, geology, engineering, landscape architecture, or land survey-
 560 ing unless the work is under the full authority and responsible charge
 561 of a registrant, who is also a principal of the firm or officer of the
 562 corporation. ~~The name of said registrant shall appear whenever the~~
 563 ~~firm name is used in the professional practice of the firm or corporation.~~

564 B. FIRMS OR CORPORATIONS SHALL IDENTIFY RESPONSIBLE REGISTRANTS. EACH
 565 FIRM AND CORPORATION SHALL FILE WITH THE BOARD A LIST OF RESPONSIBLE
 566 PRINCIPALS OR OFFICERS, THEIR REGISTRATION CERTIFICATE NUMBERS, AND A
 567 DESCRIPTION OF THE SERVICES THE FIRM OR CORPORATION IS OFFERING TO THE
 568 PUBLIC. THE BOARD SHALL BE NOTIFIED OF ANY CHANGE OCCURRING IN THE
 569 LIST OF PRINCIPALS OR RESPONSIBLE CORPORATE OFFICERS.

570 32-142. Public works

571 A. Drawings, plans, specifications and estimates for public works of the
 572 state or a political subdivision thereof involving architecture, engineer-
 573 ing, ~~assaying~~, geology, landscape architecture or land surveying shall
 574 be prepared by or under the personal direction AND SUPERVISION OF A
 575 QUALIFIED REGISTRANT. ~~of and the~~ Construction of such works shall be
 576 executed under the ~~direct supervision~~ PERSONAL DIRECTION of a qualified
 577 registrant ~~within the category involved.~~

578 B. Surveys or maps required in connection with public land surveying
 579 ~~or assaying~~ shall be made by or under the personal direction of a
 580 qualified registrant.

581 32-143. Exceptions

582 Registrants under this chapter may engage in practice in another category
 583 regulated pursuant to this chapter only to the extent that such person is
 584 qualified and as such work may be necessary and incidental to the work of
 585 his profession on a specific project.

586 32-144. Exemptions and limitations

587 A. Architecture, engineering, geology, ~~assaying~~, landscape architecture
 588 ~~or~~ AND land surveying may be practiced without compliance with the
 589 requirements of this chapter by:

590 1. An officer or employee of the United States, practicing as such.

591 ~~2. -- A consulting associate of a registrant, if he is a nonresident with~~
 592 ~~no established place of business in this state and is qualified to~~
 593 ~~practice in the state or county where he resides.~~

594 2. (Old 3) An employee of a registrant or of a person exempt from
 595 registration, if such employment does not involve direct responsibility
 596 for design, inspection or supervision.

32-144--contd.

597 3. (Old 4) A non-registrant who designs a building or structure,
598 the cost of which does not exceed fifty thousand dollars, or who
599 designs alterations to any one single story building, the cost of
600 which does not exceed fifteen thousand dollars, or who designs a
601 single family dwelling or additions or alterations thereto.

602 A NON-REGISTRANT WHO PREPARES PLANS AND SPECIFICATIONS FOR A
603 DETACHED, SINGLE-FAMILY DWELLING OR ADDITIONS OR ALTERATIONS THERETO,
604 INCLUDING SUCH OUT BUILDINGS AS GARAGES, BARNs, AND STORAGE SHEDS ON
605 THE SAME LOT OR PARCEL.

606 4. (Old 5) A nonregistrant who designs buildings or structures to
607 be erected on property owned or leased by him or by a person, firm
608 or corporation, including a utility, telephone, mining or railroad
609 company, which employs such nonregistrant on a full-time basis, if the
610 buildings or structures are intended solely for the use of the owner or
612 lessee of the property and are not for sale, rental or use by the public.

613 A NON-REGISTRANT WHO PREPARES PLANS, SPECIFICATIONS OR REPORTS FOR
614 CONSTRUCTION OF, ADDITIONS TO, AND ALTERATIONS OF BUILDINGS, STRUCTURES
615 OR WORKS USED EXCLUSIVELY FOR FARM, RANCH OR AGRICULTURAL USES.

616 5. A NON-REGISTRANT WHO PREPARES PLANS, SPECIFICATIONS AND REPORTS
617 FOR CONSTRUCTION OF, ADDITION TO, AND ALTERATIONS OF BUILDINGS,
618 STRUCTURES OR WORKS USED EXCLUSIVELY FOR UTILITY, TELEPHONE, MINING,
619 OR RAILROAD USES WHEREIN THE SAFETY, HEALTH AND WELFARE OF THE PUBLIC
620 IS NOT A FACTOR IN USE OF THE FACILITY.

621 B. The requirements of this chapter shall not apply to work done by any
622 communications common carrier or its affiliates or any public service
623 corporation or by full-time employees of any of them, provided such
624 work is in connection with or incidental to the products, systems or
625 non-engineering services of such communications common carrier or its
626 affiliates or public service corporation, and provided that the engineer-
627 ing work is not offered directly to the public.

628 32-145. Violations BY NON-REGISTRANTS; classification

629 Any person who commits any of the following acts is guilty of a class
630 2 misdemeanor:

631 1. Practices, offers to practice or by any implication holds himself
632 out as qualified to practice as an architect, assayer, engineer,
633 geologist, landscape architect, or land surveyor, who is not registered
634 as provided by this chapter.

635 2. Advertises or displays a card, sign or other device which may
636 indicate to the public that he is an architect, assayer, engineer,
637 geologist, landscape architect, or land surveyor, or is qualified to
638 practice as such, who is not registered as provided by this chapter.

639 3. Assumes the title of engineer, architect, geologist, assayer,
640 landscape architect, or land surveyor, or uses a certificate of
641 registration of another, or uses an expired or revoked certificate of
642 registration.

32-145--contd.

643 4. Presents false evidence to the board with the intent to obtain a
644 certificate of registration.

645 5. Otherwise violating any provision of this chapter.

646 32-146. Petition for injunction

647 (01d 32-106.01.)

648 A. The superior court may issue an injunction forthwith upon a petition
649 filed as provided in this section to enjoin the practice of architecture,
650 assaying, engineering, geology, landscape architecture and land surveying
651 by any person not registered to practice such occupations or exempt
652 pursuant to section 32-144 from registration requirements.

653 B. In a petition for injunction pursuant to sub-section A, it shall be
654 sufficient to charge that the respondent on a day certain in a named
655 county engaged in the practice of architecture, assaying, engineering,
656 geology, landscape architecture or land surveying without being exempt
657 pursuant to section 32-144 from registration requirements. No showing
658 of damage or injury shall be required.

659 C. Such petition shall be filed in the name of the state by the board or
660 at the request of the board by the attorney general or any county attorney
661 in any county where the respondent resides or may be found.

662 D. Issuance of an injunction shall not relieve respondent from being
663 subject to any proceedings pursuant to section 32-145, or otherwise.
664 Any violation of an injunction shall be punished as contempt of court.

665 E. In all other respects, injunction proceedings pursuant to this
666 section shall be governed by title 12, chapter 10, article 1.

WELCOME TO NEW MEMBERS OF THE BOARD

Chairman Rod Bauer congratulated Mr. Rynn and Mr. Gookin for their appointment
by Governor Cabbitt and welcomed them as members of the Board.

DISCUSSION

The Chairman led a discussion on drafting a letter from the Board to the Committee
of Reference regarding the Board's position of responsibility in the issue of the
bridge failures. Mr. Gomez and Mr. Edson will draft a letter for presentation
to the Committee of Reference.

ADJOURNMENT

There being no further business before the Board, it was moved by Dr. O'Donnell,
seconded by Mr. Gookin that the meeting adjourn. Motion carried. Meeting
adjourned at 8:00 P.M.

Respectfully submitted,

Wayne D. Earley
Secretary

MINUTES OF THE STATE BOARD OF TECHNICAL REGISTRATION
NOVEMBER 16, 1979

A special meeting of the State Board of Technical Registration was called to order by Rod J. Gomez, Chairman, in the office of the Board at 1645 West Jefferson, Phoenix, Arizona on Friday, November 16, 1979 at 4:40 P.M.

PRESENT

Rod J. Gomez, Chairman
Kemper Goodwin, Vice Chairman
Wayne O. Earley
William S. Gookin
Jimmie R. Nunn
Charles E. O'Bannon

ABSENT

Rudolf A. Jimenez
John B. Trimble

Those present constituted a quorum.

RULES ADOPTION

It was moved by Mr. Goodwin and seconded by Dr. O'Bannon that Rule R4-30-29 be adopted as amended, approved and certified by the Attorney General, and shown on Minute Pages 4303, A-B. Motion carried.

It was moved by Mr. Earley and seconded by Dr. O'Bannon that Rule R4-30-01 be adopted as amended, approved and certified by the Attorney General, and shown on Minute Pages 4303, C-D. Motion carried.

ELECTION OF OFFICER

The expiration of Mr. Caruso's term of appointment created a vacancy for a Secretary of the Board.

It was moved by Dr. O'Bannon and seconded by Mr. Goodwin that Mr. Wayne O. Earley be elected Secretary of the Board. Motion carried unanimously.

WELCOME TO NEW MEMBERS OF THE BOARD

Chairman Rod Gomez congratulated Mr. Nunn and Mr. Gookin for their appointment by Governor Babbitt and welcomed them as Members of the Board.

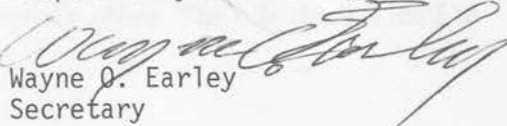
DISCUSSION

The Chairman led a discussion on drafting a letter from the Board to the Committee of Reference regarding the Board's position of responsibility in the issue of the bridge failures. Mr. Gomez and Mr. Edson will draft a letter for presentation to the Committee of Reference.

ADJOURNMENT

There being no further business before the Board, it was moved by Dr. O'Bannon, seconded by Mr. Gookin that the meeting adjourn. Motion carried; meeting adjourned at 6:00 P.M.

Respectfully submitted,


Wayne O. Earley
Secretary

A

CERTIFICATION OF RULES ADOPTED

Board of Technical Registration
(Name of Agency, Board, Commission, Department, Officer)

The undersigned, being the Chairman of
(Title of Officer)

the Board of Technical Registration hereby
(Name of Agency, Board, Commission, Department, Officer)

certifies that attached hereto is a true and correct copy of

Title 4, Chapter 30, Article 3, R4-30-29, Renewal Fees
(A.C.R.R. Title No., Chapter No., Section No.)

which was duly amended subject to certification by the Attorney General by this body
(Adopted, Amended, or Repealed)

on the 20th day of July, 19 79.

Dated this 16th day of November, 1979.

Board of Technical Registration
(Name of Agency, Bd., Commission, Dept., Officer)

[Signature]
(Signature of Officer)

Chairman
(Title of Officer)

APPROVED & CERTIFIED pursuant to
A.R.S. Section 41-1002.01 this
25th day of Oct, 19 77

[Signature]
Certification, Attorney General
Attorney General

(PLACE STAMP OR SEAL,
IF ANY)

NOTE: An original and two (2) copies of this Certification and rule changes shall be filed with the Secretary of State following certification by the Attorney General's office. The rule changes shall be typewritten on standard size paper, 8-1/2" x 11".

STATE OF ARIZONA
BOARD OF TECHNICAL REGISTRATION
ORDER OF RULE ADOPTION

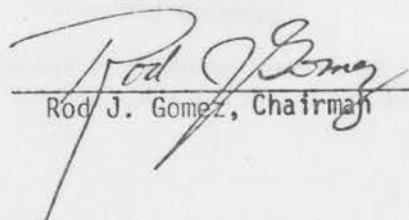
Pursuant to A.R.S. §32-106 and A.R.S. §32-127 the State Board of Technical Registration hereby adopts the following Rule;

R4-20-29. Renewal Fees

For renewal of a certificate of registration, if received prior to December 31st of each year (a certificate of registration not renewed prior to December 31st of each year will accrue a penalty of 10 per cent of each month or fraction of month of delinquency), the following fees will be required:

1. Renewal as an Architect, Assayer, Engineer, Geologist, Landscape Architect, or Land Surveyor, ten FIFTEEN dollars; ~~except that persons age 70 or older shall be exempt from the registration fee provided they have been registered in Arizona for ten consecutive years immediately prior to attaining the age of 70 or older.~~
2. In-Training certificates, none.

Dated this 16th day of November, 1979.


Rod J. Gomez, Chairman

C

CERTIFICATION OF RULES ADOPTED

Board of Technical Registration

(Name of Agency, Board, Commission, Department, Officer)

The undersigned, being the Chairman of
(Title of Officer)

the Board of Technical Registration hereby
(Name of Agency, Board, Commission, Department, Officer)

certifies that attached hereto is a true and correct copy of

Title 4, Chapter 30, Article 1, R4-30-01, Applications, General
(A.C.R.R. Title No., Chapter No., Section No.)

which was duly amended subject to certification by the Attorney General by this body
(Adopted, Amended, or Repealed)

on the 20th day of July, 19 79.

Dated this 16th day of November, 19 79.

Board of Technical Registration
(Name of Agency, Bd., Commission, Dept., Officer)

Rod J. Bomy
(Signature of Officer)

Chairman
(Title of Officer)

APPROVED & CERTIFIED pursuant to
A.R.S. Section 41-1002.01 this
25th day of Oct., 19 79.

Certification, Attorney General's Office

Bob Corbin

by BOB CORBIN
Attorney General

(PLACE STAMP OR SEAL,
IF ANY)

NOTE: An original and two (2) copies of this Certification and rule changes shall be filed with the Secretary of State following certification by the Attorney General's office. The rule changes shall be typewritten on standard size paper, 8-1/2" x 11".

CERTIFICATION OF RULES ADOPTED

Board of Technical Registration
(Name of Agency, Board, Commission, Department, Officer)

The undersigned, being the Chairman of
(Title of Officer)

the Board of Technical Registration hereby
(Name of Agency, Board, Commission, Department, Officer)

certifies that attached hereto is a true and correct copy of

Title 4, Chapter 30, Article 1, R4-30-01, Applications, General
(A.C.R.R. Title No., Chapter No., Section No.)

which was duly amended subject to certification by the Attorney General by this body
(Adopted, Amended, or Repealed)

on the 20th day of July, 19 79.

Dated this 16th day of November, 19 79.

Board of Technical Registration
(Name of Agency, Bd., Commission, Dept., Officer)
Rod J. Long
(Signature of Officer)

Chairman APPROVED & CERTIFIED pursuant to
(Title of Officer) A.R.S. Section 41-1002.01 this

(PLACE STAMP OR SEAL,
IF ANY)

25th day of Oct., 19 79.
Certification, Attorney General's Office

by Bob Corbin
BOB CORBIN
Attorney General

NOTE: An original and two (2) copies of this Certification and rule changes shall be filed with the Secretary of State following certification by the Attorney General's office. The rule changes shall be typewritten on standard size paper, 8-1/2" x 11".

STATE OF ARIZONA

BOARD OF TECHNICAL REGISTRATION


ORDER OF RULE ADOPTION

Pursuant to A.R.S. §32-106 the State Board of Technical Registration hereby adopts the following rule:

R4-30-01. Applications, General

- A. (Unchanged)
- B. (Unchanged)
- C. (Unchanged)
- D. (Unchanged)
- E. Engineers desiring registration in more than one branch must submit a separate application for each branch and pay the regular fee with each application. Registration in engineering will be granted in the major branches of engineering included in the college curricula approved by the Board. Major branches of engineering presently recognized by the Board are: Aeronautical, Agricultural, Chemical, Civil, Electrical, Geological, Geophysical, Highway, Industrial, Mechanical, Metallurgical, Mining, Nuclear, Petroleum, Sanitary and Structural.
- F. (Unchanged)
- G. (Unchanged)
- H. (Unchanged)
- I. (Unchanged)
- J. (Unchanged)
- K. (Unchanged)

Dated this 16th day of November, 1979



 Rod J. Gomez
 Chairman

MINUTES OF MEETING
ARIZONA STATE BOARD OF TECHNICAL REGISTRATION
December 6, 1979

The regular quarter-annual meeting of the State Board of Technical Registration was held at the College of Architecture, Arizona State University, Tempe, Arizona on Thursday, December 6, 1979 at 10:11 A.M. with Chairman Rod J. Gomez presiding.

MEMBERS PRESENT

Rod J. Gomez, Chairman
Kemper Goodwin, Vice Chairman
Wayne O. Earley, Secretary
William S. Gookin
Rudolf A. Jimenez
Jimmie R. Nunn
Charles E. O'Bannon
John B. Trimble

MEMBERS ABSENT

None

Those present constituted a quorum.

1. MINUTES

It was moved by Mr. Goodwin and seconded by Mr. Earley that the minutes of the regular meeting of the Board held September 7, 1979 be approved as presented. Motion carried.

It was moved by Dr. O'Bannon and seconded by Dr. Jimenez that the minutes of the special meeting of the Board held November 16, 1979 be approved as presented. Motion carried.

2. REPORT OF THE EXECUTIVE COMMITTEE

It was moved by Dr. O'Bannon and seconded by Mr. Trimble that the minutes of the Executive Sessions held October 12, 1979 and October 17, 1979 be approved as presented. Motion carried.

3. REPORT OF THE RULES AND BY-LAWS COMMITTEE

The report of the Rules and By-Laws Committee was made by Dr. Jimenez, Chairman. Recommendations are shown on Pages 4312 and 4313.

- A. It was moved by Dr. Jimenez and seconded by Mr. Goodwin that Rule R4-30-01 be amended as shown on Minute Page 4312 and that Rule R4-30-17 be amended as shown on Minute Page 4313 regarding additions to the rule concerning waiving of requirements of a personal audience, and that a public hearing be scheduled for February 1980 to consider the adoption of the proposed revisions. Motion carried.
- B. It was moved by Dr. Jimenez and seconded by Dr. O'Bannon that Rule R4-30-17.A be amended as shown on Minute Page 4313, deleting the last part of the second sentence.

Mr. Goodwin moved that this motion be tabled for further consideration; Mr. Gookin seconded the motion. Motion failed.

Initial motion failed with a vote of 6 to 2.

- C. It was moved by Dr. O'Bannon and seconded by Mr. Gookin that Rule R4-30-17.A be amended by changing the second sentence as shown on Minute Page 4315.

Mr. Earley proposed a substitute motion to return this matter to the Rules and By-Laws Committee for further study. There was no second.

The initial motion passed with a vote of 5 to 3.

- D. The Board now addressed the question of defining the professional services of civil engineering and land surveying. The Chairman of the Rules and By-Laws Committee stated that it was inopportune for the Committee to make a recommendation on this matter until it had clarification from the Attorney General.

It was moved by Mr. Trimble and seconded by Dr. O'Bannon that the Rules and By-Laws Committee be directed by the Board to prepare a conclusive report regarding this matter to be presented at the next regular Board meeting. Motion carried with 7 ayes and 2 nays.

4. REPORT OF THE LEGISLATIVE COMMITTEE

- A. Chairman Goodwin reviewed the activity of the Board in response to the Sunset Review. He presented the following:

Minutes of Committee of Reference Hearing, October 22, 1979 Page 4316-23.

Minutes of Committee of Reference Hearing, November 26, 1979 Page 4324-25.

Letter from Board Chairman to Representative Skelly,
November 23, 1979 Page 4326-33.

Discussion Notes from Committee of Reference Hearing,
November 26, 1979 Page 4334-42.

Joint Legislative Oversight Committee action, Dec. 5, 1979.

It was moved by Dr. O'Bannon and seconded by Mr. Earley that the report of the Legislative Committee be accepted. Motion carried.

- B. Mr. Gookin announced that the Board of Directors of the Papago Chapter of the Arizona Society of Professional Engineers had called a special meeting to discuss the status of the Arizona State Board of Technical Registration. He briefly outlined the results of that meeting and presented to the Board the minutes of the meeting. Minute Pages 4343 and 4344.
- C. Board Chairman Gomez requested the Board's Grievance Committees to consider investigations of the I-10 Salt River Bridge and the SR 74 Agua Fria River Bridge and to prepare a report for the Board. He cautioned the Committees to contact the Attorney General's office for instructions on how to conduct our investigations.

Dr. Jimenez took the floor to make comments on the examination processes of the Board. He recommended that all applications recommended for registration without examination be referred to the full Board. He urged the Board to carefully define what constitutes "eminence" when registering without examination.

Chairman Gomez directed the Chairmen of the Evaluation and Examination Committees to prepare statements to define "eminence".

5. REPORT OF THE EVALUATION AND EXAMINATION COMMITTEES

A. ARCHITECTURAL EVALUATION COMMITTEE

The Architectural Evaluation Committee report of meetings held October 19, 1979 and November 9, 1979 was presented by Mr. Goodwin Reports shown on Minute Pages 4345-4347.

It was moved by Mr. Goodwin and seconded by Dr. Jimenez that Items 1,2,3,4 of this report be accepted and implemented by the Board. Motion carried.

B. ENGINEERING EVALUATION COMMITTEE

The Engineering Evaluation Committee report of meetings held October 11-12, 1979 and November 15-16, 1979 was presented by Dr. O'Bannon. Report shown on Minute Pages 4348-4353.

It was moved by Dr. O'Bannon and seconded by Dr. Jimenez that Item 2, Item 2, Item 3 with the exception of Robert Henry Hartley, ELECTRICAL ENGINEERING, and Item 5 be accepted and implemented by the Board.

It was moved by Mr. Earley and seconded by Mr. Trimble that the motion be amended to exclude the name of Clovis Roland Haden from Item 1. Motion passed. (Mr. Haden's application was considered separately.)

Item 4 regarding Mr. Mikolas was discussed later at Mr. Mikolas' personal appearance before the Board.

It was moved by Dr. O'Bannon and seconded by Dr. Jimenez that Item 6 of the report be accepted and implemented by the Board and that the examination grade for Stephen R. Travis be certified as a FAIL. Motion passed.

It was moved by Dr. O'Bannon and seconded by Dr. Jimenez that Item 7 of the report be accepted and implemented by the Board and that Richard Eugene Reavis request to change his application to Sanitary Engineer be granted and that he be held for examination in Sanitary Engineering, Parts 3 and 4. Motion carried.

C. LANDSCAPE ARCHITECTURAL EVALUATION COMMITTEE

Chairman Earley presented the report of the Landscape Architectural Evaluation Committee of meetings held October 19, 1979 and November 16, 1979. Report is Minute Page 4354.

It was moved by Mr. Earley and seconded by Mr. Trimble that the recommendation for registration be accepted and implemented by the Board. Motion carried.

6. REGISTRATIONS DENIED (See Minute Page 4355.)
7. REGISTRATIONS GRANTED (See Minute Pages 4356-4358.)

The application of Clovis Roland Haden was given careful consideration for registration without examination on the basis of "eminence".

It was moved by Dr. Jimenez and seconded by Mr. Trimble that Clovis Roland Haden be included in the list of those being granted registration and assigned registration numbers as indicated on Minute Pages
Motion carried 4 to 1 with voting as follows:

Trimble	Yes
O'Bannon	Abstained
Nunn	Yes
Jimenez	Yes
Gookin	Abstained
Earley	No
Goodwin	Abstained
Gomez	Yes

Motions for registration are shown on Minute Pages 4356 and 4358.

8. REPORT OF THE PUBLIC INFORMATION COMMITTEE

It was moved by Mr. Trimble and seconded by Dr. Jimenez that the Board instruct the Executive Director to prepare a newsletter and a press release to inform the public of the Board's view of the Sunset Review. Motion carried.

9. REPORT OF THE BUDGET COMMITTEE

The Executive Director recommended that the description of a new position request be changed from Administrative Assistant, Grade 11, to Investigator, Grade 18. The purpose would be to move directly into investigative staffing in lieu of a two-step proposal contained in our Budget Request. In view of the budget processing already underway, the change would have to be advocated when legislative hearings are scheduled on Budget Requests.

On a motion by Mr. Goodwin, seconded by Mr. Earley, the Board voted to accept the recommendation of the Executive Director.

10. REPORT OF THE EXECUTIVE DIRECTOR

Mr. Mark Edson, Executive Director, presented his report shown on Minute Page 4359.

It was moved by Mr. Trimble and seconded by Mr. Earley that the Board reaffirm that the Executive Director be authorized to use budgeted funds from legislative appropriations without obtaining specific authorization for each item. Motion carried.

It was agreed that fees for examinations would be based upon cost, pending legislative review of the statutes which is currently in progress.

11. READING OF COMMUNICATIONSA. ANDREWS, JEFFREY L., Land Surveyor 12213

Letter suggests better representation of Land Surveyors by having a Land Surveyor as a member of the Board. Letter shown on Page 4360. Executive Director's reply shown on Page 4361.

B. NCEE - JACK ANDERSON

Letter offers assistance in development of enforcement program. Letter on Page 4362.

C. HARTLEY, ROBERT H., Electrical Engineer 79-584

Letter expanding record of his engineering career in support of his appeal of the Committee's decision to recommend that he be held for Parts 3 and 4 of the Electrical Engineering examination. Letter on Pages 4363-4369. (Mr. Hartley appeared before the Board--see NEW BUSINESS.)

D. MIKOLAS, KEITH, Land Surveyor 79-159

Letter appealing Committee's decision to recommend denial of his application for lack of experience is shown on Minute Page 4370. (Mr. Mikolas appeared before the Board--see NEW BUSINESS.) Mr. Edson's reply is Minute Page 4371.

E. GARDNER, McLANDRESS, HALEY

Letter from three registrants citing an apparent violation of the code and requesting Executive Director to come to Prescott, Arizona to discuss violations with interested people. Minute Pages 4372-4373.

It was moved by Mr. Gomez and seconded by Mr. Trimble that the Executive Director be authorized to make an investigation of this matter and reply to the letter. Motion carried.

F. PAYNE, REUBEN M., Director, Incorporating Division, Arizona Corporation Commission.

Letter regarding the use of the term "engineering" in the name of a corporation. Minute Pages 4374-4376.

Mr. Edson's reply is Minute Page 4377.

12. UNFINISHED BUSINESSCOMPLAINTSC79-008 KECK vs. RAND

Mr. Rand appeared before the Board to discuss the events leading to the filing of the complaint. The Executive Director outlined the complaint to the Board, and the Board directed questions to Mr. Rand.

Mr. Earley made a motion that this complaint be dismissed and that the Board admonish Mr. Rand to be more cognizant of verbal commitments when contracting for his professional services. The motion was seconded by Dr. Jimenez. Motion carried. Mr. Nunn abstained.

Mr. Rand remarked, "I would like to say that I have done probably between 100 and 150 residences, and I have never had any kind of a problem like this before. I even had a few of my clients that I was doing a residence that I did at the same time I did Mr. Keck's send letters to the Board, stating their feelings about my conduct with them, and they are in my file. And so, you know, I feel that I have conducted myself as a professional and tried to give the best service that I possibly could. There were just some circumstances that came up in this project that I had never been confronted with or since, and it just was unfortunate, unfortunate, that the things happened, but they did. I am sorry that what happened, happened, but I don't feel there was any way to avoid it."

C79-015 HOOD vs. BROCK

This complaint was not discussed; it was referred to the Grievance Committee.

13. NEW BUSINESSA. PERSONAL AUDIENCES

HARTLEY, ROBERT H. appeared before the Board to appeal the Committee's decision to hold him for examination and to request that he be granted registration without examination on the basis of his extensive experience. All members of the Board reviewed Mr. Hartley's record.

Mr. Gookin moved that the recommendation of the Engineering Evaluation Committee be sustained. Dr. Jimenez seconded the motion.

Mr. Earley moved to table this matter until the Board establishes standards for evaluating such applications. Mr. Gookin seconded the motion. Motion failed 5 to 2.

Initial motion failed 4 to 4.

Mr. Goodwin moved and Mr. Earley seconded to grant Mr. Hartley registration in Electrical Engineering. Motion carried 4 to 3.

MILOLAS, KEITH M.

Mr. Mikolas and his attorney, Mr. Malcolm Strohson, appeared before the Board to appeal the Committee's decision to deny Mr. Mikolas' Land Surveying application for lack of experience and to request that he be allowed to take the examinations in Land Surveying in April 1980. This appeal was based upon his misunderstanding about overlapping experience and the fact that the experience requirements are not fully explained in the Board's Rules.

It was moved by Dr. Jimenez and seconded by Mr. Trimble that Mr. Mikolas' application be retained in a pending status and that he be held for examinations in Land Surveying, Parts 1,2,3,4. Motion passed.

B. ANNUAL ROSTER OF ACTIVE REGISTRANTS

A report prepared by the Executive Director regarding a proposed fee for mailing and printing an annual roster of active registrants is shown on Minute Pages 4378-4379.

It was moved by Mr. Trimble and seconded by Mr. Earley that Rule R4-30-30 be amended as shown on Minute Page 4380 and that a public hearing be scheduled for February 1980 regarding the adoption of this revision. Motion carried.

C. OUT-OF-STATE MEETING REPORTS

Mr. Goodwin briefly highlighted the events of the Western Council of Architectural Registration Boards' (WCARB) Fall Meeting in Boise, Idaho, October 27, 1979.

Mr. Goodwin made a motion that the Board authorize one architectural Board member to attend the WCARB's regular meeting, March 13-15, 1980, in Anchorage, Alaska. Mr. Earley seconded the motion. Motion carried.

D. FUTURE DATES

Dates were set for future meetings of the Board and its committees. See following page for schedule of meetings.

14. ADJOURNMENT

There being no further business before the Board, the meeting adjourned at 5:15 P.M.

Respectfully submitted,


Wayne O. Earley, Secretary

SCHEDULE OF MEETINGS

Dec. 10-11, 1979 Architectural Professional Exams, Tucson and Phoenix.

Dec. 14, 1979 2:00 P.M. Tucson Grievance Committee meeting, office of RGA ASSOCIATES, 877 S. Alvernon, Tucson.

Dec. 21, 1979 9:00 A.M. Phoenix Grievance Committee meeting, office of the Board, 1645 W. Jefferson.

Jan. 11, 1980 9:00 A.M. Architectural Evaluation Committee, Board office.

Jan. 17-18, 1980 9:00 A.M. Engineering Evaluation Committee, Board office.

Feb. 8, 1980 9:00 A.M. Architectural Evaluation Committee, Board office

Feb. 14-15, 1980 9:00 A.M. Engineering Evaluation Committee, Board office.

March 7, 1980 10:00 A.M. Board Meeting, University of Arizona, Tucson, Arizona.

- B. (no change.)
- C. (no change.)
- D. (no change.)
- E. (no change.)
- F. (no change.)
- G. (no change.)
- H. (no change.)
- I. (no change.)
- J. (no change.)
- K. (no change.)

Respectfully submitted,



Robert A. Gomez, Chairman

November 30, 1979

TO: State Board of Technical Registration
FROM: Rules and By-Laws Committee
SUBJECT: Proposed Rule Changes

The Rules and By-Laws Committee has prepared this revision to the Rules of the Board, and recommends to the Board that a hearing be scheduled regarding its adoption.

R4-30-01. Applications, General

- A. The Board meets regularly in March, June, September, and December to consider applications for registration. Prior to consideration by the Board each applicant FOR INITIAL OR FIRST REGISTRATION will be required to appear before an Evaluation Committee of the Board at a time and place established by the committee. The applicant will at this time complete the personal audience requirements, outlined in Article 2, R4-30-17.
- B. (no change.)
C. (no change.)
D. (no change.)
E. (no change.)
F. (no change.)
G. (no change.)
H. (no change.)
I. (no change.)
J. (no change.)
K. (no change.)

Respectfully submitted,



Rudolf A. Jimenez, Chairman

November 30, 1979

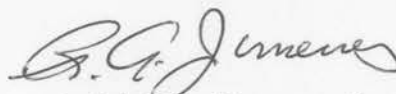
TO: State Board of Technical Registration
FROM: Rules and By-Laws Committee
SUBJECT: Proposed Rule Changes

The Rules and By-Laws Committee has prepared this revision to the Rules of the Board, and recommends to the Board that a hearing be scheduled to consider its adoption.

R4-30-17 Personal Audience

- A. A personal audience will be required of all applicants FOR INITIAL OR FIRST REGISTRATION AS A PART OF THE BOARD'S REQUIREMENTS FOR PROFESSIONAL REGISTRATION. THE BOARD MAY WAIVE THE REQUIREMENT OF A PERSONAL AUDIENCE FOR APPLICANTS WHO HOLD A VALID CERTIFICATE OF REGISTRATION ISSUED BY ANOTHER STATE WHICH HAS REQUIREMENTS FOR REGISTRATION SATISFACTORY TO THE BOARD. The personal audience will consist of an oral and/or written examination of 15 to 30 minutes duration ~~and will include questions covering the Code and Rules of the State Board of Technical Registration.~~ The personal audience will be given at a time and place convenient to the Evaluation Committee of the Board.
- B. (No change.)
- C. (No change.)

Respectfully submitted,



Rudolf A. Jimenez, Chairman

PROPOSED RULE

Pursuant to A.R.S. 32-123 the State Board of Technical Registration proposes to adopt a rule, similar in substance, terms and conditions to the wording of the following:

R4-30-01. Applications, General

- A. The Board meets regularly in March, June, September and December to consider applications for registration. Prior to consideration by the Board each applicant FOR INITIAL OR FIRST REGISTRATION will be required to appear before an Evaluation Committee of the Board at a time and place established by the committee. The applicant will at this time complete the personal audience requirements, outlined in Article 2, R4-30-17.
- B. (No change)
- C. (No change)
- D. (No change)
- E. (No change)
- F. (No change)
- G. (No change)
- H. (No change)
- I. (No change)
- J. (No change)
- K. (No change)

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OCT 29 1979

Minutes of Meeting
JOINT COMMITTEE OF REFERENCE
COMMERCE AND LABOR-COMMERCE
STATE BOARD OF TECHNICAL REGISTRATION
October 22, 1979

A meeting of the Joint Committee of Reference of the Commerce & Labor and Commerce Committees was held in Hearing Room 2 of the House Wing at 10:00 a.m., October 22, 1979, with Chairman Jim Skelly presiding.

Members Present

House
* Representative Denny
* Representative Todd
* Representative Vukcevic
* Representative Wilcox
* Representative Skelly, Chairman

Senate

* Senator McMullin
* Senator Rottas
* Senator Sawyer
* Senator Swink
* Senator Mawhinney, Vice Chairman

Members Absent

None

Speakers Present

Mr. Gerald Silva, Auditor General's Office
Mr. Brian Dalton, Auditor General's Office
Mr. Brent L. Nelson, Auditor General's Office
Mr. Kemper Goodwin, Vice Chairman, Board of Technical Registration
Mr. F. Mark Edson, Exec. Director, Board of Technical Registration
Mr. Larry Fellows, Bureau of Geology and Mineral Technology
Mr. John Lacy, Southwest Minerals Exploration Association
Ms. Mary C. Smith, Exec. Director, Arizona Society of Architects
Mr. Earle Slydor, Arizona Professional Land Surveyors
Mr. William B. Marum, President, Arizona Professional Land Surveyors
Mr. Harold Linder, Consulting Geologist
Mr. Wayne Earley, President, Western States Consulting Group
Mr. Allen W. Gross, American Society of Landscape Architects
Mr. James D. Anderson, Arizona Consulting Engineers Association
Mr. Philip E. Borgo, representing himself
Mr. Herb Donald, Arizona Society of Professional Engineers
Mr. James W. Furlow, American Institute of Professional Geologists
Mr. Joseph Colosa, representing himself
Mr. Curtis D. Drew, President, Drew Engineering Inc.
Mr. Craig Walling, Arizona Society AIA

Guests Present (Attachment A)

The meeting was called to order and Mr. Gerald Silva, Auditor General's Office, introduced Mr. Brian Dalton and Mr. Brent L. Nelson (staff from his office). During the balance of the meeting, all questions directed to the Auditor General's Office were answered by one of these three men.

Minutes of Meeting
 JOINT COMMITTEE OF REFERENCE
 COMMERCE AND LABOR-COMMERCE
 STATE BOARD OF TECHNICAL REGISTRATION
 October 22, 1979

A slide presentation was given which summarized the study made by the Auditor General's Office on the State Board of Technical Registration. (Report - Attachment B) In brief, their findings and recommendations are as follows:

1. FINDING I - The State Board of Technical Registration has been remiss in its duty to protect the safety, health and welfare of the public.

RECOMMENDATION - The Board should:

1. Establish an aggressive peer review program similar to the one currently used by the State Board of Accountancy.
 2. Make a special effort to work with the various building safety departments throughout the state.
 3. Maintain better records of its disciplinary process.
 4. Inform licensees and the public of the Board's oversight responsibility and the results of its disciplinary actions.
 5. Increase the license renewal fees to allow for the investigation of allegations of illegal or incompetent work performed by its licensees.
 6. Discontinue the current policy which requires a verified formal complaint prior to Board action.
 7. Include the Office of the Attorney General more completely in all Board deliberations.
2. FINDING II - The absence of written policies and adequate records of proceedings precludes a determination that the Board of Technical Registration has exercised its discretionary authority in the public interest.

RECOMMENDATION - The Board should:

1. Make a concerted effort to continue to develop a formal evaluation criteria regarding 1) the determination of the adequacy of an applicant's experience and 2) the requirement for examination. Once developed, these criteria should be incorporated into the Rules and Regulations of the State Board of Technical Registration.
2. Improve the documentation of their decision-making process to allow for a thorough, independent, qualitative evaluation of the process.

Minutes of Meeting
 JOINT COMMITTEE OF REFERENCE
 COMMERCE AND LABOR-COMMERCE
 STATE BOARD OF TECHNICAL REGISTRATION
 October 22, 1979

3. Comply with ARS 32-106 (a) which requires the Board to keep a register of applicants showing the date of each application, the name, qualifications, and place of business of the applicant and the disposition of the application.
3. FINDING III - Changes needed to improve the efficiency and effectiveness of the State Board of Technical Registration.

RECOMMENDATION - The Board should:

1. ARS 32-127 and Rule R4-30-29 should be amended to allow for the implementation of a triennial renewal system.
2. Rule R-4-30-17 should be amended to delete the mandatory requirement for personal audiences. Further, the Board should implement an application review process similar to the one used by the Kansas Board.
3. The Board should adopt a policy requiring non-governmental recipients of the annual roster to pay a nominal fee to cover the publication and distribution costs.
4. Rule R4-30-01 (G) should be deleted to remove the possibility of unnecessary delays for applicants.
5. ARS Section 32-124 should be amended to allow the Board to establish fees charged to applicants commensurate with costs to the Board.
4. FINDING IV - The State Board of Technical Registration has been substandard in its encouragement and use of public input in its operations. Information regarding meeting notices, proposed rules and regulations, and Board action has not been adequately provided to licensees of the Board or the consumers of the licensees' services.

RECOMMENDATION - The Board should:

1. Adopt methods to encourage public input and participation in the promulgation of rules and regulations, development of legislative proposals and other decision-making processes of the Board.
2. File a statement with Secretary of State indicating where all public notices of their meetings will be posted.
3. ARS 32-102 and 32-103 be amended to provide for public membership on State Board of Technical Registration.

Questions were asked concerning the failure of the bridge on I-10. Nothing conclusive was said other than that it was a Federal and a Highway Department matter and the Board had just received a copy of the report. Mr. Todd asked if the Zoning Commission is doing the work that the Board should be doing.

Minutes of Meeting
JOINT COMMITTEE OF REFERENCE
COMMERCE AND LABOR-COMMERCE
STATE BOARD OF TECHNICAL REGISTRATION
October 22, 1979

It was the consensus of the Committee that the Technical Registration Board is not following up on complaints.

Mr. Kemper Goodwin, Board of Technical Registration, told the Committee that he hoped the laws regarding this Board would be strengthened so that they can do a good job. Mr. Goodwin then introduced Mr. Mark Edson, Executive Director of the Board. He added that he agreed with the Auditor General's Report and planned to work on its suggestions.

Mr. Edson said that the Board is making improvements in the handling of complaints but that many of the complaints are against unregistered persons who are exempt from the Board's jurisdiction. Mr. Edson added that there are still 3 openings on the Board. When asked if the Board had authority to revoke a license, Mr. Edson replied that it could be done with a show of cause and proper Board action. In reply to the question of what a "plan stamper" is, Mr. Edson said that it is a term applied to someone who puts his seal on work, even though he does not actually do the work. Mr. Edson concluded by saying that the Board recognizes the need for increased effort in investigating reports and is introducing a more ambitious program.

The meeting recessed at 12:15. Vice Chairman Mawhinney announced that the meeting would reconvene at 1:30 p.m.

The meeting of the Joint Committee of Reference on the State Board of Technical Registration resumed at 1:30 p.m. with Vice Chairman Mawhinney presiding.

Members present:

House

- Rep. Todd
- Rep. Vukceovich
- Rep. Wilcox

Senate

- Senator McMullin
- Senator Swink
- Senator Mawhinney

Vice-Chairman Mawhinney told the audience that since there were so many people signed up to testify, he would appreciate it if they would not duplicate testimony previously given.

Mr. Larry Fellows, Bureau of Geology and Mineral Technology, gave the Committee a description of what a geologist does. He pointed out that there is federal legislation that defines certain types of work and specifies a requirement for a registered geologist. He cited the Federal Strip Mining Bill as an example.

Minutes of Meeting
JOINT COMMITTEE OF REFERENCE
COMMERCE AND LABOR-COMMERCE
STATE BOARD OF TECHNICAL REGISTRATION
October 22, 1979

Mr. John Lacy, Southwest Minerals Exploration Association, told the Committee that his organization is dissatisfied with the way things are being handled by the Board in the areas of legislation and enforcement. He further stated that a certain amount of credibility is present when a geologist can state that he is regulated and licensed by the Board of Technical Registration. Mr. Lacy submitted a letter of recommendation and a minority report to the Committee. (Attachment C)

Ms. Mary C. Smith, Executive Director, Arizona Society of Architects, explained a position paper which she handed to each member of the Committee. (Attachment D) She added that professional liability insurance is available only to members who are licensed by the Board.

Mr. Earle Slydor, Arizona Professional Land Surveyors, told the Committee that there had never been a land surveyor on the Board and his association would like to have this changed.

Mr. William B. Marum, President, Arizona Professional Land Surveyors, testified that his organization felt that license requirements for land surveyors should be strengthened.

Dr. Harold Linder, Consulting Geologist, related his experiences regarding his attempt to get licensed by the Board. A copy of his testimony was given to each member of the Committee. (Attachment E) Representative Denny asked for a written explanation by the Board as to why it took 13½ months to license Dr. Linder.

Mr. Wayne O. Earley, President, Western States Consulting Group, told the Committee that Landscape Architects are part of the Design Professions and said that his group is interested in staying in the law, staying in the Board, and staying registered in the state.

Mr. Allen W. Gross, Landscape Architect, stated that his profession is dedicated to "conservation and adaptation of all lands for man's use." He added that the University of Arizona is the only school offering a degree of Bachelor of Landscape (a five-year course). He concluded that this profession is one of the fastest growing in the state.

Mr. James D. Anderson, Arizona Consulting Engineers Association, explained his prepared statement to the Committee. (Attachment F)

Mr. Philip E. Borgo, representing himself, told the Committee that he was a former Exam Writer and Grader for Survey Exams and that he felt the current exams are not representative of the profession. He added that he felt a Land Surveyor should be on the Board for the professional interview and that he was in favor of extending increased qualifications for licensure.

Mr. Herb Donald, Arizona Society of Professional Engineers, presented and explained a prepared statement to the Committee. (Attachment G)

Minutes of Meeting
JOINT COMMITTEE OF REFERENCE
COMMERCE AND LABOR-COMMERCE
STATE BOARD OF TECHNICAL REGISTRATION
October 22, 1979

Mr. James W. Furlow, American Institute of Professional Geologists, presented a prepared statement to the Committee. (Attachment H) He added that he is in favor of keeping the registration clause for geologists even though it took him as long to get licensed as it did Dr. Linder.

Mr. Joseph T. Colosa, representing himself, described his experience with the Board as a "nightmare." He said that he has already sued the Board once and is in the process of doing it again. A complete statement of his case is attached. (Attachment I)

Mr. Curtis D. Drew, President, Drew Engineering, Inc., representing himself, suggested that the licensing requirement be strengthened and upgraded to a professional level.

Mr. Craig Walling, Arizona Society AIA, said that he felt the Board has been unresponsive in the past and suggested that state licensing be continued by putting more money into the program and having more people to do the job.

Members of Committee were asked to submit recommendations which will be heard at a later meeting.

The meeting adjourned at 4:45 p.m.

- | | |
|------------------|---|
| DAVID M. DEMAREE | A. DEPT. MIN. RES. |
| James W. Fudge | MYSELF - (P.R.) |
| | American Institute of Professional Geologists |
| | Arizona Society of Professional Engineers |
| | Architect |
| | Arizona Society of Professional Engineers |
| | ARCHITECT |
| | Arizona State Bd. Tech. Reg. |
| | Arizona Council of Prof. & Bus. Reg. |
| | SLBC |
| | Myself |

(Attachments on file with Chief Clerk's office- most of them are quite lengthy)

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Joint Commerce

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10:00 a.m.

GUESTS ATTENDING COMMITTEE MEETING

1:4322

Name and Title

Representing

Re-Bill

Name and Title	Representing	Re-Bill
Philip E. BORG, D. BSCE, MS, RLS	#4638 Myself	
HAROLD TAYLOR - PE	#2741 "	
ROBERT D. FRONSKA ARCH.	#9447 "	
Bruce Dalton	Auditor General	
Dr. G. Wallen	✓ ✓	
Brent L. Nelson	✓ ✓	
Anderson	State Bd of Tech. by	
E. H. SLYDE, RLS	#4128 A.P.L.S.	
WILLIAM B. MARVIN	ARIZ. PROF. LAND SURVEYORS	
Jeffrey L. Andrews RLS	ARIZ. Prof. Land Surveyors	
JOHN H. JETT	A. DEPT. MIN. RES.	
DAVID M. DEMAREE	MYSELF - (P.E.)	
James W. Furlow	American Institute of Professional Geologists	
Mary Chapman Smith	Ariz. Soc. of Architects	
Bill Lawler	Ariz. Consulting Engineers and Ariz. Society of Professional Eng.	
Allen W. Gross	Amer. Soc. / Land Archts.	
Arnold Roy - ARCHT	MYSELF	
BILL CAREY		
WAYNE O. EMBLEY	Land Archt. PRIVATE PRACTICE	
Gerald Silva	Auditor General	
Jack Donald	Ariz. Society of Prof. Eng'n.	
THOMAS A. ZIMMERMAN	ARCHITECT	
Kemper Goodwin TAIA	Ariz State Rel Tech. Regs	
Jim Anderson	Ariz. Consulting Eng. Assn.	
Jim Sallis	JLBC	
Howard Kunkin	Myself	

Mr. Edison

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STATE BOARD TECHNICAL REGISTRATION

Minutes of Meeting

JOINT COMMITTEE OF REFERENCE
COMMERCE AND LABOR-COMMERCE
BOARD OF TECHNICAL REGISTRATION

November 26, 1979

A meeting of the Joint Committee of Reference of the Commerce and Labor and Commerce Committees was held in Hearing Room 1 of the House Wing at 4:30 p.m., November 26, 1979, with Chairman Jim Skelly presiding.

House Members Present

- | | |
|-----------------------|---------------|
| Rep. Skelly, Chairman | Rep. Vukceвич |
| Rep. Todd | Rep. Wilcox |

Senate Members Present

- | | |
|-------------------------------|------------|
| Sen. Mawhinney, Vice Chairman | Sen. Swink |
| Sen. McMullin | |

House Members Absent

- | | |
|------------|--|
| Rep. Denny | |
|------------|--|

Senate Members Absent

- | | |
|-------------|-------------|
| Sen. Rottas | Sen. Sawyer |
|-------------|-------------|

The meeting was called to order and Rep. Skelly explained that this was the second statutory meeting of the committee to make recommendations to retain, abolish or retain with revisions the Board of Technical Registration. He further stated that any recommendations were subject to change and could be modified as these recommendations made their way through the legislative process.

A summary of recommendations (Attachment A) was distributed to the members along with specific recommendations for consideration (Attachment B).

Sen. McMullin noted that in the proposal it was recommended that the regulation of the occupations of architect, engineer and land surveyor be placed with another agency, possibly the Registrar of Contractors. He felt this was not a good recommendation in that the Registrar of Contractors was presently being reviewed by the committee and could conceivably be abolished.

State of Arizona
BOARD OF TECHNICAL REGISTRATION

Minutes of Meeting
Joint Committee of Reference
Commerce and Labor-Commerce
Board of Technical Registration

November 21, 1979

There was discussion concerning the recommendation that the state not license geologists and assayers. Rep. Skelly remarked that 49 states do not presently license these occupations.

Sen. Mawhinney moved that the recommendations be amended and adopted as follows:

1. Abolishment of the Board of Technical Registration, and placing
2. PLACE regulation of the occupations of architect, engineer and land surveyor with another agency, possibly the Registrar of Contractors.
3. There would then be no license provisions for THERE WILL BE NO LICENSING OF landscape architect, geologist and assayer."

Rep. Todd seconded the motion.

The motion carried with a vote of 4 to 3, 3 members absent. (Roll Call Vote Attachment C.).

THE MEETING ADJOURNED AT 5:00 p.m.

(Attachments are on file in the office of the Chief Clerk and the committee secretary.)

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State of Arizona
BOARD OF TECHNICAL REGISTRATION

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FOR ARCHITECTS, ASSAYERS, ENGINEERS, GEOLOGISTS, LANDSCAPE ARCHITECTS AND LAND SURVEYORS
1645 W. JEFFERSON, SUITE 315 • PHOENIX, ARIZONA 85007 • (602) 255-4053

November 23, 1979

The Honorable James Skelly and Members
Joint Committee of Reference
Commerce and Labor Committee
Arizona State Capitol
Phoenix, Arizona 85007

Gentlemen:

Nearly a month has passed since the Committee of Reference Hearing concerning the Auditor General's report on the operations of our agency. The Board has thoughtfully considered many of the comments that were generated at the hearing and has asked me to communicate their thoughts to you for consideration in your deliberations.

The Board stands by its testimony that Sunset Review is a constructive process. We are grateful for the Auditor General's comments on some aspects of our operation, particularly in the review of the actions of predecessor boards back into the mid-60's on enforcement matters and on comments of administrative functions. The Board has concurred on many of these improvements as we will document in concluding this letter.

First, however, we would like to address the question of enforcement of the statutes, on which the Auditor General focused most of his criticism with his headline that the Board "has been remiss in it's duty to protect the Safety, Health and Welfare of the Public".

While the report documents Board hearings on license revocation back to 1964, and discusses some procedural problems in several situations involving other governmental entities, it does not show in any instance where the Boards lack of zeal in prosecuting more cases resulted in harm to the public. Has the Public been harmed by the Board's posture, or has the Board's consistent policy of registering only competent people had a beneficial effect in insuring compliance with the statutes? The Auditor failed to address this question and it lies at the heart of 95% of the Board's effort in insuring high standards of professional performance.

On complaint matters, the Board has consistently been advised by legal counsel from the office of the Attorney General. Members have been made aware of constitutional guarantees to MAN of "certain unalienable rights" among which are Life, Liberty and the Pursuit of Happiness, and the absolute necessity of due process in depriving any person of

his right to earn a living. Please note that the only time a license was revoked by a previous Board (page 17 of the report), the action was reversed by the Superior Court. The Board had little public or legislative support to consider hiring full-time specialists in law and investigation, precisely what is needed to be an effective law enforcement agency.

Consequently, most of the Board's work, about 1200 man hours of volunteer effort this past year, has been devoted to insuring compliance with the statute THROUGH A DEMANDING REGISTRATION PROGRAM involving review and upgrading of educational preparation, thorough evaluation of experience in the chosen field, and a demonstration of competence by passing a peer-approved, uniform set of written examinations. The Board was staffed and qualified to perform this function, and they have done a capable job in the public interest as the following statistics show:

Over the same period of time covered by the Auditor General's report the Board received 11,780 applications for registration and In-Training certificates,

The Board examined approximately 6,125 candidates for original registration, and

The Board granted 7,281 registrations.

This is certainly not a record of restraint of trade! If anything, it represents a proliferation of qualified competent talent in Architecture, Assaying, 17 branches of Engineering, Geology, Landscape Architecture and Land Surveying. The public has had no derth of qualified professionals from which to select a service protecting their safety, health, and welfare, and the Board submits that in their performance they have substantially met their charge in accepting service on the Board, which the statute defines "to provide for the safety, health and welfare of the public through the promulgation and enforcement of standards of qualification for those individuals licensed and seeking licenses".

If it is now the wish of the Legislature and the Public that we do a better job in law enforcement, policing the professions after they are registered, we would ask your cooperation and also we ask you to understand the task required to make the Board into a truly competent investigative agency, capable of initiating an on-going and effective enforcement program, establishing rules for peer-review, working with the building officials in all fourteen counties to control illegal practise and improve legal practise, of the professions we register, and working with state and municipal agencies to upgrade their own sometimes questionable in-house practises.

Ask for invest.

First, in our 1980-81 Budget Request we have asked you to consider an additional staff position, to permit us to hire and train an investigative specialist so that we can begin to establish our credentials in the law enforcement field.

Secondly, we ask that you assist us in the Attorney General's office to substantially increase the legal counsel we need in order to operate an effective, responsive enforcement program! We would also like to have legal counsel present at all Board meetings. This has not been the case for many years.

On the questions of the Board's response to disasters caused by Acts of God, i.e., flood, earthquakes, hurricane or tornado, unusual snowloads or other things of this nature, we are not charged with the responsibility to investigate the cause of failures due to these unforeseen circumstances. This is an owner's responsibility, and the actual investigation is usually conducted by the owner's insurance underwriter who has the most vital interest in determining the cause of the failure. If such an investigation shows a serious defect due to an individual registrant's performance, then the Board can and should investigate the nature of that persons professional adequacy to perform, and make a recommendation. To take disciplinary action the Board must find substantial evidence of gross negligence, incompetence, bribery, or other misconduct. We would point out in this regard that there is a substantial gap between a finding of "an error in judgement" and a finding of gross negligence or incompetence. The Legislature, in its wisdom, wrote the law this way. They obviously intended that "an error in judgement" should not result in a revocation or a suspension of a registrant's right to earn a living, if it did not relate to gross negligence or incompetency.

It is not apparent in the Auditor General's report that the auditor's were aware of any of the fine distinctions in relationship between a professional and his client, or in the performance of professional responsibility; that is to be expected since they were not technically educated persons with background in the professions we register, but the Legislature intended that Board members should be mature peers of their various registration disciplines, so that all these fine distinctions would be perceived and considered in any exercise of judgement in Board evaluations. The judgement of the Board and its registered Technical Director pervades every aspect of the Board's execution of its charge under the statute.

Regarding the Board's review of the Maricopa County Bridge Failures, please refer to attached Exhibit Number 1, which addresses the inquiry to us by the Committee of Reference on this subject.

Regarding the Committee of Reference's deliberations concerning the public's interest in a strong registration statute vs no statutes at all, we submit that these laws were not established to make competent people prosperous nor were they intended to limit competition.

The law does neither of these things. The law does allow control of illegal activity stemming from those who would prey on the public's lack of knowledge about the technical sciences, such as turning an idea into a bidable, buildable building project (architecture), evaluating the mineral content of a rock (assaying), designing a shear connection (structural engineering), balancing an air delivery system to produce human comfort (mechanical engineering), to piping a nuclear reactor (nuclear engineering), designing a workable sewage treatment plant (sanitary and civil engineering), determining the appropriate demand of an electrical distribution system (electrical engineering), predicting the performance of bearing strata for assumption of new loads (geological and civil-soils engineering), analyzing underground earth movement (geophysical engineering), mapping and classifying underground soil structure (geology), integrating nature and climatology into the world of man-made environment (landscape architecture), and locating and placing boundary corners (land surveying). The world we live in is an increasingly complex place, and it demands an increasingly complex level of knowledge to cope with the problems. There is no room for incompetent performance in the technical sciences. Our dollars and resources are too dear to spend more than once.

With no registration law, Arizona would be a mecca for unscrupulous people coming from all over the world to take advantage of a state where carte blanche was the order of the day - no credentials required. We had this situation in real estate and subdivision when the laws were lax, and thousands of people were swindled out of their life's savings. Rather than consider abandoning requirements for technical registration, the public would be better served if the Legislature tightened up the exemptions which the present law permits. Most of the consumer complaints which the Board gets are against non-registrant's who are exempt from the law in single family residence design or structures less than \$50,000.00 in value, which we are documenting for the Joint Legislative Budget Committee. The effect of having no registration law would soon be apparent at Arizona's three Universities where hundreds of young people are preparing themselves, at considerable expense to their parents (the public), to assume greater responsibilities in the technical fields we examine and register. We work closely with the Universities on accreditation of their programs to enable these young people to fit in the field of their choice with the knowledge they need to succeed. The Universities depend to a certain extent on our monitoring process through examinations in evaluation of their own educational performance. This "new blood" is vital to the technical professions in Arizona. If the attainment of certification in Arizona is abandoned, these young people will abandon Arizona for a state that recognizes the worth of what they are doing. When this happens, both the Universities and the Professional Community will suffer. Many, many years of gradual improvement in the process of leading young people into a responsible professional life will be lost. The AUDITORS failed to perceive this aspect of the Board's work, but we feel you should be aware of it in your deliberations.

This is another example of how the Board works to broaden the opportunity for young people to fit into a professional field. How can this infusion of new blood be labeled as "restraint of trade", or "not in the public interest"?

Finally, regarding other recommendations in the Auditor General's report:

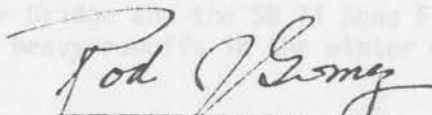
- 1) The Board has re-established communication with the City of Phoenix Building Safety Department and expects to begin investigation of a cooperative peer review program with them in the near future, as recommended.
- 2) The Board has increased its license renewal to a) stabilize the Technical Registration Fund at a level approximately 50% of our annual operating budget and b) it includes our proposal to add a specialized staff position in 1980-81 operations, as recommended.
- 3) The Board has initiated a news letter published at least four times a year to inform the public and our clientele of Board activity, as recommended.
- 4) The Board has adopted formal evaluative criteria in the field of architecture, and is continuing work to determine applicable and practical standards in other disciplines, as recommended.
- 5) The Board has initiated a change in the Rules to permit registration of professionals with registration in other states, without a personal audience requirement, as recommended.
- 6) The Board has initiated charging a fee to cover publication and mailing of its annual roster of active registrants, as recommended.
- 7) The Board has recommended to the legislature statutory changes permitting lay members to be appointed, permitting a triennial renewal system, correcting the statutory limit of cost of registration.
 - a) independently of the Statutory changes we have recommended, we urge the Committee to consider revising ARS 32-124 of the Statutes to change the figure "one-hundred dollars", to a proposed figure of "two-hundred fifty dollars". This change is essential in view of the Legislative Council memo of April 13, 1979, published in the Auditor General's report, and is necessary to permit examination charges consistent with their cost.

The only alternative to a change in ARS 32-124 is for the Board to pay these additional costs from an increase in renewal fees, which amounts to a subsidization of examination expense by all persons registered by the Board. It is preferable to put examinations on a pay-as-you-go basis.

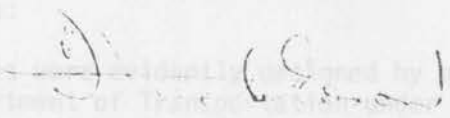
You may be interested to know that the Sunset Review process has been completed in six States and in all six their Legislatures have voted to extend their Board operations and continue the process. These six states are Alabama, Florida, Montana, New Mexico, North Carolina and Tennessee.

We trust that in its wisdom, the Legislature will add Arizona to this growing list of states.

Sincerely,



Rod J. Gomez, Chairman
ARIZONA STATE BOARD OF
TECHNICAL REGISTRATION



F. Mark Edson, Executive Director

EXHIBIT #1
November 23, 1979

BRIDGE STRUCTURE INVESTIGATION

In accordance with the evident interest of the Auditor General and Legislature regarding the recent bridge failures around the Phoenix area during the early part of 1979, the Board has referred this case to its Grievance Committee for consideration of a formal hearing process to review the procedures and condition of the design and construction of the bridge structures and to determine, if possible, the Professional parties involved.

The Board has reviewed the investigative report prepared by Sverdrup and Parcel & Associates, Inc., Consulting Engineers, which was initiated by the Department of Transportation, issued in June, 1979. The purpose of the investigation was to determine the causes of some evident pier settlement on the I-10 Salt River Bridge and the SR 74 Agua Fria River Bridge which occurred during the heavy runoffs in the winter months of 1978-1979.

The Board's investigation to date is based on review of the above referenced report, which indicates the following findings we consider to be pertinent to the course of action The Board may find to be necessary in the performance of its duties:

- (1) The bridge structures were evidently designed by personnel of the Arizona Department of Transportation under the responsible charge and direction of a qualified registrant. The I-10 Salt River Bridge was designed in 1960-1961 and constructed in 1962-1963. The SR 74 Agua Fria Bridge was designed in 1968, re-designed in 1971 and constructed in 1973.
- (2) The bridge structures were constructed under the direct inspection of ADOT personnel and their existing procedures. Customarily the Arizona Department of Transportation has always assumed the responsibility for the construction of bridge structures even on the few structures prepared by licensed engineers in private practice.
- (3) The referenced report of investigation basically concludes that both bridge structures experienced pier settlement as a result of inadequate foundation design to accommodate the effects of any scour actions which might be caused by heavy flood runoffs.

- (4) The report further indicates that although the heavy runoffs of 1978-1979 floods were unusually high, the maximum flow estimated at 120,000-130,000 c.f.s. was not in excess of the design flow of 170,000 c.f.s. adopted in the original design. The fact that settlement occurred leads to the possibility that the foundation design did not perform at the level of the total expected performance of the bridge.
- (5) The report further concludes that there was some laxity in quality control of ADOT design procedures; inadequate attention given to potential scour analysis and the lack of a comprehensive soils investigation study which is normally required for a structure of this scope.

In view of these findings concerning the above referenced report, the Board Chairman has requested the Board's Greivance Committee to consider a comprehensive investigation and hearing with testimony from registrants responsible for the design of these structures. It is expected that the hearing will be somewhat complex as a result of the many layers of supervisory responsibility involved in a complex operation like the Arizona Department of Transportation. However, you can be assured that the Board will issue a report to the Legislature and the public regarding our findings, conclusions and final disposition of this case.


Rod J. Gomez, Chairman
ARIZONA STATE BOARD OF
TECHNICAL REGISTRATION

Skelly: ...Registration we took testimony at the first meeting. We will again make recommendations as to whether the Board should be abolished, revised or continue in operation. Once again, whatever recommendations we make as a sub-committee are, of course, subject to the normal changes which are made as any legislation winds its way through the House and Senate. I do have a recommendation which I have made as chairman of the committee, and that is to abolish the Board of Technical Registration and to place regulation of the occupations of architects, engineers and land surveyors with another agency--possible the Registrar of Contractors. And the upshot would be that there would be no licensing for landscape architects, geologists and assayers. Ah, Mr. Todd?

Todd: Mr. Chairman, I move the recommendations as you just state.

Skelly: Mr. Vukceovich?

Vukceovich: Mr. Chairman...

Skelly: Yes, Mr. Vukceovich...

Vukceovich: I'll second that...

Skelly: Thank you, Mr. Vukceovich. Any discussion?

McMullin: Yes, Mr. Chairman...

Skelly: Senator McMullin.

McMullin: I am not exactly sure what I am going to discuss here, but not letting this go unnoticed...let's see. On the matter of putting it under the Registrar of Contractors, I'll take that issue first. (Aside: I'm not going to...he wrote the memo, I want him to hear what I'm going to say.) Mr. Vice Chairman, do you share the views of the Chairman. If you do, I'll address you in my remarks. (garbled talk)

Skelly: Mr. Chairman, I think it is interesting that we are approaching the time in looking at the various boards around the state as to whether they should continue or not. And I think that we have here, in the Board of Technical Registration, a board that has proved beyond a shadow of doubt

Legis. Comment
BTR -> REC

that the state can do without it. It has proved its ineffectiveness, and it has proved that it has not done what it was originally intended to. I see a perfect relation between the areas that represent building construction, designing and engineering; namely, the architects, the engineers and land surveyors, (break) license or continue in licensing provision under the re-constructed Registrar of Contractors, and I see a changing of the Registrar of Contractors so that we...maybe we would want to call him the Czar of Building or something...but the relationship is a perfectly normal and natural one. We found out that there was no need to register geologists. In fact, it takes 13½ months to make the state register, and this is not an exception--it was found that this held true in any number of other cases. The premise of protecting the health, safety and welfare of the people of Arizona, I feel, will not be endangered by not licensing geologists, assayers, or landscape architects. As a matter of fact, it might even benefit the people by getting rid of that particular area and answering the question very straightforward...(garbled)

Senator McMullin?

lly:

McMullin:

Mr. Chairman, I was going to address myself to the comments in your memorandum, but I think I will respond to Mr. Todd's comments that we have proven beyond a shadow of a doubt that we don't need such an agency. Now I wouldn't spend much time defending the record of the Board of Technical Registration in the past as far as the deficiencies listed by the Auditor General (I won't enumerate them; they are here for us. They are matters that go back 10 or 15 years, and it is appropriate for us to make a review of the activities of the agency.) But I don't feel that we have proven that, by anything I have heard in any of these hearings or by anything I have heard anybody say on this committee, that the health, welfare and benefit of the state has not been served by the examining functions, the certification functions, the insistence upon achieving particular standards to qualify for registration, and many other activities related to this Board. The deficiencies that have been brought out against this Board is the failure to investigate complaints, certain matters of processing applications, and things that as I say are noted in the report, and which I believe that the representatives of the agency have responded to, have already responded to and taken action on. Now, I would ask, since Mr. Todd

has made the point that we could do without such an agency...perhaps I could be convinced if Mr. Todd will explain to me exactly how we will operate without such an agency or without any certification or without any requirement of standards. Whoever comes under the board, that's another argument we will come to later... But if we don't have anything of this kind, how are we going to operate--just fine and dandy like the Real Estate Board was back a few years ago before we gave them some assistance in certain requirements for registration and certification, etc? Stop right there.

Skelly:

I would like to hear how we are going to operate.

McMullin:

Skelly:

Stop right there. With Mr. Todd's concurrence I would like to take a shot at that. We are going to operate very easily without registration of assayers, geologists and landscape architects. If you will recall a few years ago, Senator, we started...I don't know what year it was...we started licensing landscape architects, because the public's health and welfare was being affected by all these non-licensed landscape architects. So what we did was "grandfather" in nurserymen, etc. And if you can tell me the rationale where the state has to license landscape architects, I'll tell you why the tooth fairy exists. I think the other states that do not license geologists are operating very well. I think the 49 other states which do not license assayers are operating very well, even though you and I do have a few kruggerands between us (And I might say that you have far more than I have, Senator.) Be that as it may, if we look at architects, engineers and land surveyors, I guess maybe, unfortunately, there is some area because of building construction standards, etc. where the public feels that it is protected by these particular categories. I don't see any rationale whatsoever. I think the Board is a perfect example of a board which has been constituted for one reason and one reason only, and that is to protect the professions rather than protect the public. I think the Board of Technical Registration is a good example of why licensing at the state level often does not work in favor of the people of the state. I think that our first hearing brought this out pretty well. Well, an example of the bridges, Rod, would be one thing. There was not even an attempt by the Board of Technical Registration to even get a hold of a copy of the study which ADOT had done to determine any culpability on the part of the engineers which designed the bridges which were washed away.

Now that shows me, as one individual, that the Board was not interested in protecting the public, but the Board was interested in protecting the members of that particular profession. So I think the Board of Technical Registration (with all due respect to the people in the audience) has done a lousy job and I would like to see it "canned" permanently. And I think that we have to come up with another vehicle to license these particular professions--being engineers, architects and land surveyors. I think it is a joke that we license landscape architects; I really do. That the State of Arizona has to protect the public from unethical landscape architects. But again, I get carried away sometimes with this regulation. I was under the impression that one of the reasons that we had the whole procedure of Sunset was to determine the possibility of doing away with some of those agencies which we as a legislative body felt were not acting in the public interest. And I think of all of the agencies that we have looked at so far, a good case can be made that the Board of Technical Registration has NOT acted in the public interest.
Mr. Vukcevich?

Vukcevich:

Yes, Mr. Chairman. Regarding the Representative's thoughts of doing away with it, he considers licensing of geologists by the Bureau of Geology and Mineral Technology with the University of Arizona. If we are going to do away with it, why do we want to give it to the University of Arizona to go ahead and license? On the other hand, I really do believe maybe not the landscape architects, but I am like Mr. McMullen, the assayers, yes. I don't have any of those things...

I have very few of them.

Skelly

Mr. Vukcevich, how do you think the other 49 states do that also have metal, that have mining, and don't have registered assayers?

Vukcevich:

Well, probably the other 49 states don't have minerals and they are not all mining...

Skelly:

Mr. Todd?

Todd:

Mr. Chairman, in answer to Mr. Vukcevich's question. In an effort to reply to a request by the geologists who continue to be state licensed, it was my suggestion, and I did ask them, the state geologists at the Bureau of Mineral Technology, etc. that if it was so important that they have this magic little piece of paper hung up on the wall and become state

licensed geologists, then why not the State Bureau of Geology doing the licensing of the geologists? It seemed to be a fairly normal relationship. However, I received a 3-page letter with 8 recommendations or 8 reasons why they could not be licensed by that agency or they did not want to be the licensing agency or responsible for licensing the geologists in the state. So I merely took the letter that as an interpretation that it wasn't all that important that geologists be licensed. And I merely mentioned that as a possibility, but they certainly are not interested in licensing or being the licensing agency. And so that is good enough for me; I think I can go along with it. One of them being that a state geologist had to be a state-licensed geologist, and so I can go along with getting rid of the licensing of geologists altogether, along with assayers and landscape architects.

I think, Mr. Chairman, as long as I have the floor I would like to say that this goes along with the thinking that somewhere down here on Washington Street we can create a risk-free environment, and I don't think that this is true. I think it is proved that we are not able to..

Todd:

Well, what we do is create a closed shop for certain professions, I don't think there's any question about it...

Skelly:

Senator Mawhinney?

Mawhinney:

Mr. Chairman, I think first off I'd like to point out, at least my understanding of the Sunset Review, leaves us with three alternatives, as some of my colleagues would seem to indicate here that we "kill" an agency or we continue it. I am hoping that part of the process would be to review what the boards and various agencies have been doing, allowing (garbled) to spy on backroom operations so that we can cut out some of the nonsense and get back to providing some of the protection that we thought we were providing in the first place. If someone in the House or Senate would come up this year with a piece of legislation providing for the regulation of architects, engineers and land surveyors, I don't think there is anybody here who would disagree to the establishment of a procedure of policy to regulate those particular occupations. I tend to agree that we don't need to license landscape architects, geologists and assayers, but we DO have to have SOME sort of regulations for the other three: the architects, engineers and land surveyors. I agree that the Board of Technical Registration has NOT performed its obligation right. I would propose that we disband the Board, abolish it or whatever, and establish a new board of architects, engineers

and land surveyors, if need be. But I don't know what any of the testimony or any of the _____ that we have had here on the Registrar of Contractors could give you confidence in that organization to do any better than what has been done by the State Board of Technical Registration. They, the Registrar of Contractors was equally, if not more so, lax in its functioning. I would hope that we can disband this organization that is presently in existence and start a new board with a new policy and guidelines as to exactly what it is we can do for the people of the state,...what we can't do, and so on... A portion of your submittal or your recommendation I can support, but not when it comes to putting the organization under the Registrar of Contractors...

Skelly: Well, you see, John, what we can do as an alternative is _____ a State Board of Contractors, Architects, Engineers and Land Surveyors. Then at least we do one thing, we do away with one board; we strike a blow for freedom...

Lawhinney: Well, Mr. Chairman, if they are any imitators of the federal government it means that it will get bigger and worse.

? Maybe we can throw in cosmetologists and barbers...

? Yeah.

Skelly: Mr. Todd?

Todd: Mr. Chairman, I want to comment on the Senator's comments there that I believe that it is in response to that group of people out there known as the taxpayers, voters, that we are answering the Sunset legislation with the Committees of Reference and being responsible to look at them and find which ones have done and have not done and to act accordingly, Not amend, pour more money in, make (speakers?) , I just don't think that's what the little folks out there expect.

Skelly: Do you mean the drawfs and the elves?

Todd: Those are the ones I am talking about...

Skelly: You know, what it boils down to, I think, the fact is that if we were to do away with the whole board and not even license architects, engineers and land surveyors, I am sure the public would be just as much protected as the public is protected today, because they have registration within their own occupation, but be that as it may, I understand the realities

of life... that list of recommendations to do an appropriate job in
 I think that we should add that the Registrar of Contractors is still
 under consideration by the board and our recommendations are still coming
 up on that, and are to be finalized and put together and so, in the
 reorganization and in the revamping of the duties and nomenclature, a
 perfectly reasonable combination... of Contractors, or giving it a new

That's right, and as a matter of fact, Senator Mawhinney was very charitable
 and has offered through the kindness of his heart to stop(start) the
 legislation on Contractors and Mobile Homes over in the Senate and we will
 start legislation on the Board of Accountancy over in the House, and we
 will have no legislation on the Board of Technical Registration. Which
 I think was very charitable, and I appreciate it. In... you get into a
 Senator McMullin? when you get into one of these details that are weighed

Mr. Chairman, that does make a point. We are talking about eliminating
 the Board of Technical Registration and yet we are looking for all these
 places to deposit its pieces, including according to your recommendations,
 whatever we salvage and put it into the Registrar of Contractors. And
 after the hearing on the Registrar of Contractors, I don't think there
 is any insurance that we are going to continue the Registrar of Contractors.
 So maybe this is a way to clean them all up. Is that right?

That's right. There is absolutely no assurance that it will be continued.
 (Garbled conversation) And the fact of the matter is that if we put the
 Registrar of Contractors out of business, I don't think the public would be
 harmed! But be that as it may. In licensing of landscape architects,
 John? lists, and assessors.

Mr. Chairman, I'm not very happy about having to defend the past record
 of this board, but I do view the Sunset Law and the legislation which set
 this whole thing up as a means of eliminating departments, agencies
 as deemed necessary, but also as a way of bringing agencies up-to-date,
 of examining their records, and of also determining if a job properly
 done could not serve the public interest. And in my view, the Board of
 Technical Registration CAN serve such a purpose. The outline for their
 serving the public properly is in the Auditor General's report. The
 listing of deficiencies in that report does not culminate in a recommendation
 for eliminating the Board. Even the Auditor General, with the details
 they went into with this agency, certainly came up with a very specific
 list of recommendations for its improvement. And I believe the agency

responded to that list of recommendations to do an appropriate job in the public's interest. And I won't spend all my pleas in behalf of the Board of Registration here; I realize that there is quite a course for this to go through to ultimately take place, but I certainly don't see in the recommendations that have been made so far of splitting this up and putting it under the Registrar of Contractors, or giving it a new name, or any of these other things, solves the problem any more than keeping it where it is and cleaning it up where it is. Now I will just say one final footnote, Mr. Chairman, and I'll point out that if you are a kruggerand, you really don't need an assay, because they pretty much stand on their own from their great size and weight and they determine whether they are real or not, but when you get into...you get into a matter of concern when you get into one of these metals that are weighed in kilos. And this is really when you are going to need the services of an assayer, in order to prove what you have, so that you can sell it as being genuine. May I urge upon you that an assayer may come in handy for you...

ly:

Rod, what's happening in the other 49 states where they don't license these assayers? I mean is everybody ripping off the public?

(Garbled talk)

?

Mawhinney

...I would like to code/this. (?) Our main consideration is (1) abolishment of the Board of Technical Registration; (2) placing the occupations of architects, engineers and land surveyors with another agency; (3) there will be no state licensing of landscape architects, geologists, and assayers.

Kelly:

Then what you are...The only change you are making is a list which _____ as a possibility the Registrar of Contractors...

Mawhinney:

We are changing the last statement. The State will not license assayers, geologists and

Kelly:

I'm a little confused on the second sentence...

Mawhinney:

We can do it in thirds if you'd like.

y:

No.

Mawhinney:

- (1) The abolishment of the Board of Technical Registration
- (2) Placing the regulation of the occupations of architects, engineers, and land surveyors with another agency
- (3) There will be no state licensing of landscape architects, geologists, and assayers.

ly:

John, the only thing you are doing differently is striking the phrase "possibly the Registrar of Contractors", is that right?

Mawhinney:

Basically, that's true.

Skelly:

I don't see why you are changing the second sentence. I don't understand. You aren't changing the meaning...

Mawhinney:

Well, I wanted to indicate that it is legislative intent that there be no...all you are doing is saying that if we do away with this, then there is no licensing of this as opposed to licensing in another area, and I wanted to be sure that it is not our desire...(garbled)

?

I would have no objection to that.

Todd:

And also, I would have no objection to putting architects, engineers and land surveyors into another existing agency, besides the Registrar of Contractors. I have no objection to that. It is the same thing except the mentioning of the Registrar of Contractors...

Skelly:

So in other words, you are recommending that we abolish the Board of Technical Registration?

Mawhinney:

That's correct.

Skelly:

All right. On _____ Mr. Mawhinney, is there a second to that?

Todd:

I'll second it.

Skelly:

Mr. Todd seconds that. Those in favor signify by "aye". Those opposed "nay". The "ayes" appear to have it. (Garbled)

Those in favor of Senator Mawhinney's amendment, please raise your right...

the left hand. One, two, three. Those against? One, two, three. The

chair votes "aye". By a vote of four "ayes" and three "nays", Senator

Mawhinney's amendment carries. And I think that does it. Anything further?

All right, the meeting is adjourned. Thank you.

The next Committee hearing will be held on Wednesday, December 3 at 4:00 p.m. No public comment will be allowed. During members of the Board agreed to request Senators and Representatives on the Oversight Committee to explain the process.

The Board of Directors adopted the following tentative positions for discussion by a general meeting. They are:

MINUTES OF THE BOARD OF DIRECTORS
OF THE PAPAGO CHAPTER
ARIZONA SOCIETY OF PROFESSIONAL ENGINEERS

December 1, 1979

Bill Sawyer, Executive Secretary of the Arizona Society of Professional Engineers, gave a report as to the current happenings in the State Legislature concerning the future of the Arizona State Board of Technical Registration.

Hearings had been held in the Reference Committee where Jim Skelly was able to get a bill passed abolishing the Board of Technical Registration. The next step is the Oversight Committee which is chaired by Rod McMullen. Senator McMullen has prepared a bill which essentially follows the legislation that was proposed by the State Board of Technical Registration with the single difference that it deletes landscape architects, geologists, and assayers as disciplines which are to be registered, and makes other adjustments to the law to conform to this variation.

Other features of the bill include increasing the terms of the Board members, increasing its fees, increase the rule-making ability, providing additional disciplinary actions and finally making education a required prerequisite to registration.

The next Committee hearing will be held on Wednesday, December 5 at 4:00 p.m. No public comment will be allowed. Various members of the Board agreed to contact Senators and Representatives on the Oversight Committee to explain the problems.

The Board of Directors adopted the following tentative positions for discussion by a general meeting. They are:

page 2

Architectural Evaluation Committee

1. The ASPE should not concern itself with the issue of the licensure of landscape architects, geologists and assayers.
2. That the ASPE should be against abolishing the Board of Technical Registration.
3. That the Board of Technical Registration should raise its fees to a suggested minimum of \$50 in order to properly fund the investigation of complaints, the determination of findings and where appropriate, to instigate disciplinary action.

It was finally suggested that since this matter will be continuing for several months and will eventually come to a vote on the floors of the House and Senate, that any contacts that a person feels they have with a Legislator should be used to help promote this law's passage.

Copies of the proposed Bill by Senator McMullen will be available at the next regular meeting.

79-445	79-446	79-447	79-448
79-449	79-450	79-451	79-452
79-453	79-454	79-455	79-456
79-457	79-458	79-459	79-460
79-461	79-462	79-463	79-464
79-465	79-466	79-467	79-468
79-469	79-470	79-471	79-472
79-473	79-474	79-475	79-476
79-477	79-478	79-479	79-480

The following applicants, having appeared before the Committee for a personal audience interview, need demonstration of additional evidence of their proficiency (ARS 32-123.8), and it is recommended to the Board that these individuals be held for examinations as indicated:

79-531	79-532	79-533	79-534
79-535	79-536	79-537	79-538
79-539	79-540	79-541	79-542
79-543	79-544	79-545	79-546
79-547	79-548	79-549	79-550
79-551	79-552	79-553	79-554
79-555	79-556	79-557	79-558
79-559	79-560	79-561	79-562
79-563	79-564	79-565	79-566
79-567	79-568	79-569	79-570

Continued...

TO: Board of Technical Registration November 14, 1979
 FROM: Architectural Evaluation Committee
 SUBJECT: Evaluation of Applicants

The Architectural Evaluation Committee met October 19, 1979 and November 9, 1979 in Phoenix, Arizona with the following members present:

October 19, 1979 Kemper Goodwin, Patrick Porcarello
 November 9, 1979 Kemper Goodwin

The Committee reviewed the following applicants and makes to the Board the recommendations shown regarding registration in Arizona.

- The following applicants, having appeared before the Committee and having satisfied the Committee that they are fully qualified to receive registration in Arizona under ARS 32-123.A and ARS 32-126, are hereby recommended for registration:

Burgess, Jesse Hugh	77-534		
Bergeson, Edwin B., Jr.	79-448	Kline, Jon Robert	79-698
Bonham, William Norton	79-712	Lamont, William Stiles	79-529
Bus, David C.	79-723	Linde, Richard Montgomery	79-688
Clendening, Wayne E.	79-687	Lo Presto, Frank	79-574
De Nigris, Victor L.	79-274	Olsen, Warren Guy	79-407
Edwards, Ralph A.	78-582	Rogers, Charles F., II	79-575
Evans, Julian Humphrey, Jr.	79-594	Sclater, Alan David	79-552
George, Paul William	78-551	Shaftel, Stanley J.	79-597
Hedlund, Douglas E.	79-612	Strayer, Martin F.	79-689
Hexum, Ronald Jay	79-446	Sugimura, Gene Minoru	79-350
Horowitz, Herbert H.	79-566	Tate, George Gerald	79-462
Ivelich, George	79-551	Thiny, Adam	79-357
Johns, Marion Paschal	79-449	Vandenberg, Levert A.	79-624
Johnson, Ernst Verner	78-533	Woollett, Joseph Lawrence	79-147
Kelman, Donald Bruce	79-415	Wynn, H. Douglas	79-553

- The following applicants, having appeared before the Committee for a personal audience interview, need demonstration of additional evidence of their proficiency (ARS 32-123.B), and it is recommended to the Board that these individuals be held for examinations as indicated:

Ahern, Lawrence Patrick	79-631	Prof. Exam, Sect. B
Allen, Kenneth Lewis	79-374	Qual. Test; Prof. Exam, Sect. A
Anderson, Clark Lynn	79-507	Prof. Exam, Sect. A, Sect. B
Babcock, Andrew Rowe	79-546	Prof. Exam, Sect. B
Bellamy, Karen Esther	79-693	Prof. Exam, Sect. B
Benedict, Peter Anthony	79-300	Prof. Exam, Sect. A, Sect. B
Boehm, David P.	79-610	Prof. Exam, Sect. A, Sect. B
Bosley, Bruce Charles	79-658	Qual. Test; Prof. Exam, Sect. A
Bowen, Luke Reynolds	79-694	Prof. Exam, Sect. A, Sect. B

Continued...

Bridgers, Carl Hamrick	79-611	Prof. Exam, Sect. A, Sect. B.
Chipman, John Albert	79-695	Prof. Exam, Sect. B
Diebold, David Alan	79-706	Prof. Exam, Sect. B
Fairbourn, Richard Dwight	79-659	Prof. Exam, Sect. B
Fife, Dana Richard	79-526	Prof. Exam, Sect. B
Frost, Marc Cahill	79-696	Prof. Exam, Sect. A, Sect. B
Hardenbrook, Robert Vance	79-632	Prof. Exam, Sect. A, Sect. B
Kilbane, Terry Lee	79-592	Prof. Exam, Sect. A, Sect. B
Lindquist, Bruce Lowell	79-707	Qual. Test; Prof. Exam, Sect. A, Sect. B *
Lundberg, David Arthur	79-349	Prof. Exam, Sect. A
Mason, David John	79-647	Prof. Exam, Sect. A, Sect. B
Mittelstaedt, Jan Michael	79-304	Prof. Exam, Sect. B
Niemiec, Leonard Roy	79-660	Prof. Exam, Sect. B
Nobles, Carl Freiler	79-679	Prof. Exam, Sect. B
Nord, William Charles, IV	79-633	Prof. Exam, Sect. B
Olson, Victor Edward	79-630	Prof. Exam, Sect. B
Ortega, David Damian	79-709	Prof. Exam, Sect. A, Sect. B
Reich, Thomas Steven	79-634	Prof. Exam, Sect. A, Sect. B
Reid, Robert Edward	79-681	Prof. Exam, Sect. B
Reigle, Richard Michael	79-661	Prof. Exam, Sect. A, Sect. B
Roberts, Fay Dennis	79-710	Qual. Test; Prof. Exam, Sect A
Rollings, Debra Anne	79-682	Prof. Exam, Sect. A, Sect. B
Sandoval, Robert Louis	79-684	Prof. Exam, Sect. B
Sedor, Stephen Eugene	79-547	Prof. Exam, Sect. B
Siek, William Vincent	79-619	Prof. Exam, Sect. A, Sect. B
Simko, Eugene Allen, Jr.	79-618	Prof. Exam, Sect. A, Sect. B
Stroh, Douglas Donald	79-685	Qual. Test, Sect.B; Prof. Exam, Sect.A,Sect.B
Sydnor, Douglas Bryan	79-386	Prof. Exam, Sect. B
Torok, Tamas Peter	79-494	Qual. Test; Prof.Exam, Sect. A
Uhler, Michael Francis	79-697	Prof. Exam, Sect. B
Wang, Yu An	79-549	Prof. Exam, Sect. A, Sect. B
Wilson, David Paul	79-686	Prof. Exam, Sect. B
Wood, May Belle	79-648	Prof. Exam, Sect. A, Sect. B
Woods, Fred Edwin	78-531	Prof. Exam, Sect. B
Umber, Dennis C.	79-498	Prof. Exam, Sect. B
Younkin, Al Edward	79-550	Prof. Exam, Sect. B

3. The following applicant, having been advised of additional requirements and having failed to respond, is hereby recommended to the Board for denial of his application for failure to complete the requirements of the Board within a reasonable length of time:

Outland, Robert L. 79-80

4. The Committee recommends that its current policy of giving credit for parts passed on the Qualifying Test be made retroactive to include the 1977 and 1978 Qualifying Test results and that the following applicants be given pass credit for the examinations indicated:

Continued...

* See Minute Page 4381 (4387)

November 20, 1979

TO: Board of Technical Registration
 FROM: Engineering Evaluation Committee
 SUBJECT: Evaluation of Applicants

The Engineering Evaluation Committee met October 11-12, 1979 and November 15-16, 1979 in Phoenix, Arizona with the following members present:

October 11	R. A. Jimenez, Charles E. O'Bannon
October 12	Rod J. Gomez, John B. Trimble
November 15	John B. Trimble
November 16	Rod J. Gomez, William S. Gookin, Charles E. O'Bannon

The Committee reviewed the following applicants and makes to the Board the recommendations shown regarding registration in Arizona.

- The following applicants, having appeared before the Committee and having satisfied the Committee that they are fully qualified to receive registration in Arizona under ARS 32-123.A and ARS 32-126, are hereby recommended for registration:

AERONAUTICAL ENGINEERING

Alexander, Lecil Emmett 79-362

CIVIL ENGINEERING

Arora, Madan L. 79-473
 Bishop, Darrell Joseph 79-504
 Boarer, James Ellwood 79-474
 Bogdanovich, Richard Louis 79-368
 Braselton, Verlon W. 79-601
 Buchan, Richard Alexander 79-465
 Bueermann, Richard Alan 79-441
 Campbell, Christopher Edward 79-503
 Carlassare, Martin P. 79-395
 Chan, Ellsworth Llewellyn 79-558
 Chen, Nan Jim 79-602
 Conover, James P. 79-533
 Cooper, Nicholas B. 79-468
 Cummings, Robert L. 79-472
 Flug, Marshall 79-520
 Fox, Edwin Kenneth 79-443
 Gommel, John Roger 79-651
 Harrington, William Gene 79-583
 Hilt, George Harrison 79-674
 Inocencio, Ramiro S. 79-244

CIVIL ENGINEERING--contd.

Jorgensen, Peter Spencer 79-678
 Ketterling, Cordell Ferdinand 79-451
 Langue, Michael Nicholas 79-452
 Lewis, Richard Allen 79-409
 Linville, Kenneth Nick 79-568
 Loomis, Thomas Robert 79-588
 Midyett, Kenneth Gerald 79-485
 Nicholas, James Lee 79-642
 Papsun, Frank Robert 79-541
 Poplin, Richard Lee 79-613
 Prager, Shelly 79-616
 Roberts, Craig Arnold 79-397
 Schechter, Kenneth Michael 79-562
 Siders, Gary E. 79-643
 Sonnemann, Thomas Edward 79-501
 Suarez, Robert Manuel 79-598
 Tackabery, William Edward 79-424
 Varga, Joseph Edwin 79-366
 Wallace, Lynn Pyper 79-532
 Whitman, Kent Michael 79-636
 Wilson, Thomas Edward 79-471

continued...

ELECTRICAL ENGINEERING

Felts, Donald Ralph	79-177
Haden, Clovis Roland	79-379
Karjala, Dale Charles	79-297
Martin, David Charles	79-607
Oakes, Robert Dean	79-717
Tepper, Elmer P.	79-524
Vegemast, Ronald George	79-389
West, James Burton	79-573

MECHANICAL ENGINEERING

McKinney, Earl Frederick	79-183
Nelson, Ralph F., Jr.	79-701
Rosenberg, Lester Alan	79-383
Schmitt, Gerard F., Jr.	79-628
Schultz, Kenneth Craft	79-608
Young, Robert Martin	79-609

METALLURGICAL ENGINEERING

Funke, Werner	79-534
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MINING ENGINEERING

Knutson, Douglas Robert	79-585
Marek, John Markham	79-517

SANITARY ENGINEERING

Kawamura, Susumu	79-506
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STRUCTURAL ENGINEERING

Abe, Victor Hiroshi	79-672
Campbell, Richard Wallace	79-733
Leung, Kar Ban	79-522
Lyons, Patrick Kevin, Jr.	79-327
Moller, Paul	79-425
Okamoto, Katsuhiko Kenneth	79-536
Randhava, Ajit Singh	79-488

LAND SURVEYING

Carey, Joseph Patrick	79-286
Horn, Robert Alan	79-580
Lewis, Richard Allen	79-410
May, Dan	79-337
Pollock, Adrian Roy	79-491
Pounds, Robert Lynn	79-563
Wallace, Lynn Pyper	79-531

2. The Committee reviewed the files of the following applicants; and having determined that all requirements for in-training registration have been completed, recommends the following applicants for in-training registration:

ENGINEER-IN-TRAINING

Castro, Frank C.	78-106	Murphy, Daniel Delmer	79-25
Chapman, Robert	79-112	Nickel, Patrick Brian	78-165
Craig, Marty Joe	79-54	Parker, Craig Robert	79-127
Creque, Albert Gerald	79-55	Porter, Kenneth Ford	79-89
Davis, Gregory	78-207	Quan, Terry F.	79-130
Elliott, Michael J.	79-59	Robillard, William L.	79-94
Gavan, Mark Theodore	79-62	Saathoff, Gary Dean	78-250
Kahler, David R.	78-235	Sisley, Tina Marie	78-185
Kelly, Brian John	79-20	Smith, John Dan	79-97
Kelly, George J.	78-236	Taylor, Patrick James	79-35
Kucko, Kenneth	78-237	Walter, Timothy G.	79-101
Konves, John M.	79-43	White, John MacNeill	79-135
McDaniel, T. Edward	79-81	Young, Paul T.	79-105
Mlsna, Phillip Anthony	79-88		

continued...

3. The following applicants, having appeared before the Committee for a personal audience interview, need demonstration of additional evidence of their proficiency (ARS 32-123.B), and it is recommended to the Board that these individuals be held for examination as indicated:

CIVIL ENGINEERING

Burm, Charles Barrett	79-537	Parts 3 & 4
Clevenger, French Lovell	79-542	Parts 3 & 4
Callow, Thomas Edwin	79-467	Parts 3 & 4
Dibble, Kent Merrill	79-555	Parts 3 & 4
Henley, Leslie Russell	79-438	Parts 3 & 4
Hopkins, Louie Baus	79-615	Parts 3 & 4
Hutson, Ronald Charles	79-483	Parts 1,2,3,4
Lemon, James David	79-487	Parts 3 & 4
Martin, David Allen	79-582	Parts 3 & 4
Matkin, Ronald Penrose	79-515	Parts 3 & 4
Midkiff, Ronald Dean	79-516	Parts 3 & 4
Mohning, Robert E.	79-458	Parts 1,2,3,4
Ott, Douglas Charles	79-469	Parts 3 & 4
Quay, J. H.	79-453	Parts 3 & 4
Rolston, David Wayne	79-399	Parts 3 & 4
Roman, Joseph Frank	79-539	Parts 3 & 4
Rothberg, Melvin B.	79-567	Parts 1,2,3,4
Schmitt, Thomas George	79-519	Parts 3 & 4
Shafe, Michael Anthony	79-319	Parts 1,2,3,4
Smith, William Dean	79-486	Parts 3 & 4
Stansel, John William	79-328	Parts 1,2,3,4
Starkenbug, Wesley John	79-576	Parts 3 & 4
Stephens, David Keith	79-559	Parts 3 & 4
Thomas, Robert J.	79-475	Parts 3 & 4
Thompson, William Howard	79-557	Parts 3 & 4
Timmerman, Gary Joe	79-600	Parts 3 & 4
Vallelonga, Robert Eugene	79-518	Parts 3 & 4
Weaver, James E.	79-540	Parts 3 & 4
Welt, William Edgar Vear	79-656	Parts 1,2,3,4
Willis, Thomas Donald	79-691	Parts 1,2,3,4

ELECTRICAL ENGINEERING

Crowell, Richard Elliott	79-509	Parts 1,2,3,4
Emerson, Asher Daniel	79-227	Parts 3 & 4
Hartley, Robert Henry	79-584	Parts 3 & 4
Hunt, James Ray	79-493	Parts 3 & 4
Macias, Antonio	79-525	Parts 3 & 4
Reynolds, Robert David	79-511	Parts 3 & 4
Ryan, Franklin Dale	79-497	Parts 1,2,3,4
Thatcher, Carroll D.	79-412	Parts 3 & 4

GEOLOGICAL ENGINEERING

Tognoni, David Quentin	79-505	Parts 3 & 4
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continued...

MECHANICAL ENGINEERING

Amols, Lenard	79-375	Parts 3 & 4
Blasko, Walter	79-543	Parts 3 & 4
Conder, Michael William	79-401	Parts 3 & 4
Dreveniak, Theodore John	79-510	Parts 3 & 4
Felts, Donald Ralph	79-178	Parts 3 & 4
Gauntlett, William David	79-644	Parts 3 & 4
Hollars, Russell Lowell	79-571	Parts 3 & 4
Johnson, Bruce Robert	79-544	Parts 1,2,3,4
Langerman, Patrick	79-591	Parts 3 & 4
Lantrip, Morgan Wayne	79-460	Parts 1,2,3,4
Rao, Kumbha S.	79-96	Parts 1,2,3,4
Richards, Malcolm Edward	79-646	Parts 1,2,3,4
Sim, James M., Jr.	79-512	Parts 3 & 4
Sterling, Carl D.	79-496	Parts 3 & 4
Whitaker, Richard Dallas	79-545	Parts 3 & 4

MINING ENGINEERING

Buchella, Frank H., Jr.	79-570	Parts 3 & 4
Campbell, Charles William	79-623	Parts 3 & 4
Ostberg, Jerry H.	79-489	Parts 3 & 4

NUCLEAR ENGINEERING

Trenholme, William Maclaren	79-641	Parts 3 & 4
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SANITARY ENGINEERING

Crisafulli, Lawrence Michael	79-339	Parts 1,2,3,4
Huber, Ronald Dennis	79-626	Parts 3 & 4

STRUCTURAL ENGINEERING

Grabski, Donald Gordon	79-456	Parts 5 & 6
Herz, Robert Thomas	79-513	Parts 5 & 6
Hill, Kenneth Allan	79-466	Parts 5 & 6
Husted, Harold Benjamin	79-587	Parts 5 & 6
Irwin, Thomas William, Jr.	79-538	Parts 3,4,5,6
Mahaley, Robert Lynn	79-614	Parts 5 & 6
Offenburger, Neil Ronald	79-521	Parts 5 & 6

ASSAYING

Knott, Ronnie Doyle	79-490	Parts 1 & 2
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GEOLOGY

Goodrich, James Allen	79-492	Parts 3 & 4
Hennessy, J. Allen	79-621	Parts 3 & 4
Parker, Harry McDougal	79-363	Parts 3 & 4
Small, Gary G.	79-421	Part 3
Wahl, David Edwin, Jr.	79-439	Parts 1,2,3,4

continued...

LAND SURVEYING

Buecher, Robert Harry	79-562	Parts 1,2,3,4
Burden, Scott Thomas	79-500	Parts 1,2,3,4
Fincher, George Murlin	79-664	Parts 1,2,3,4
Hopps, Sigmond Timothy	79-118	Parts 1,2,3,4
Inocencio, Ramiro S.	79-245	Parts 3 & 4
Maakestad, Tallak Daniel	79-476	Parts 1,2,3,4
Miller, Robert Douglas	79-454	Parts 1,2,3,4
Stephens, Alan Wayne	79-455	Parts 1,2,3,4
Van Kuren, Edward E.	79-561	Parts 3 & 4
Vasquez, Frank M.	79-523	Parts 1,2,3,4
York, William Franklin	79-535	Parts 1,2,3,4

4. The following applicant appeared before the Committee, and it was determined that his application should be denied for lack of experience of a character satisfactory to the Board under ARS 32-122.A, with a refund as shown:

Mikolas, Myles Keith	79-159	\$10.00
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5. The following applicants, having been advised of additional requirements for registration and having failed to respond to correspondence, are hereby recommended to the Board for denial of their application for failure to complete the requirements of the Board within a reasonable length of time:

Dalton, Bill Mark	79-266	Chemical Engineer
Hoffman, Albert	78-355	Industrial Engineer
Isaacson, Kenneth King	78-642	Land Surveyor
McCabe, James L.	78-331	Civil Engineer
Nisbet, James Duncan	78-419	Civil Engineer
Sonnenklar, Adam Eric	78-573	Civil Engineer
Steinke, Lester A.	78-484	Electrical Engineer
Stern, Roger	78-501	Metallurgical Engineer
Wankum, John Vicent	78-705	Civil Engineer
Williams, Meredith L.	77-509	Mechanical Engineer
Wilson, John Lawrence	76-68	Civil Engineer

Casper, Ronald James	78-39	Engineer-in-Training
Fitzsimonds, Michael R.	78-263	Engineer-in-Training
Jolivette, Renee S.	79-76	Engineer-in-Training
Jones, Kermit	78-233	Engineer-in-Training
Rakkrathok, Somchet	78-10	Engineer-in-Training
Smith, Robert W.	79-98	Engineer-in-Training
Stulak, Larry	78-259	Engineer-in-Training
Weeks, Thomas Harrison	78-130	Engineer-in-Training

6. TRAVIS, STEPHEN R., 78-72
Mr. Travis' examination in Chemical Engineering, Part 3, taken in April 1979 was re-scored. The Committee recommends that his revised converted score be certified: **FAIL.**

continued...

7. REAVIS, RICHARD EUGENE, 79-172

The Committee approved Mr. Reavis' request to change his application from Civil Engineer to Sanitary Engineer and recommends to the Board that Mr. Reavis be held for examinations as follows:

Sanitary Engineering, Parts 3 and 4

8. BURER, ALFRED Earl, 78-716

Mr. Burer requested deletion of questions from the Part IV Land Surveying examination relating to ARS 11 and 32 or that credit be given because these articles were not included on the study reference list. The Committee declined this request, because the list was not intended to be an all-inclusive list but a helpful reference list.

9. CRAWFORD, DAVID SCOTT, 77-370

The Committee considered Mr. Crawford's request that he be granted a third extension for taking examinations and granted him an extension to April 1980.

10. ISHII, WILLIAM RIN, 78-245

The Committee considered Mr. Ishii's request that he be granted a third extension for taking examinations and granted him an extension to April 1980.

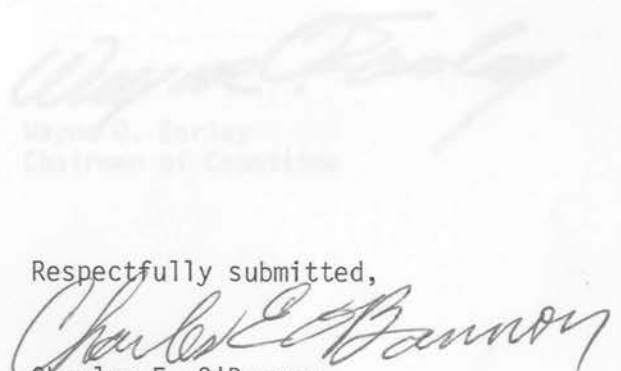
11. NCEE LAND SURVEYING EXAM SCORING POLICY

The Committee discussed at length Dr. Ben Buckner's memo dated October 25, 1979, and concluded that the Board must address the question of separating civil engineers and land surveyors. The matter was referred to the Rules and By-Laws Committee.

12. GRIEVANCE COMMITTEE--PHOENIX

The Phoenix Grievance Committee will meet on December 21, 1979 at 9:00 A.M.

Respectfully submitted,



Charles E. O'Bannon
Chairman of Committee

November 19, 1979

TO: State Board of Technical Registration
FROM: Landscape Architectural Evaluation Committee
SUBJECT: Evaluation of Applicants

The Landscape Architectural Evaluation Committee met October 19, 1979 and November 16, 1979 in Phoenix, Arizona with the following members present:

October 19, 1979 Earley, Goodwin, Porcarello
November 16, 1979 Earley, Gomez, O'Bannon, Gookin

The Committee reviewed the following applicants, and makes the recommendation shown regarding registration in Arizona.

The following applicants, having appeared before the Committee and having satisfied the Committee that they are fully qualified to receive registration in Arizona under ARS 32-123.A and ARS 32-126, are hereby recommended for registration:

Rhoads, Alexia Janine 79-477
Tyson, Bruce Edward 79-635

Respectfully submitted


Wayne O. Earley
Chairman of Committee

REGISTRATIONS DENIED

1. It was moved by Dr. O'Bannon and seconded by Dr. Jimenez that the following applicants be denied with neither prejudice nor refund at their own request. Motion carried.

Carey, Joseph Patrick	79-287	Civil Engineer
Coonce, William Vaughn	79-377	Mechanical Engineer
Duque V, Tomas G.	79-123	Civil Engineer
Heutzenroeder, Dale E.	79-296	Mechanical Engineer
Kilby, Neil James	79-527	Architect
Marwah, Dharam Pal	76-374	Structural Engineer
Penney, George William, jr.	79-298	Mechanical Engineer

2. It was moved by Dr. O'Bannon and seconded by Mr. Trimble that the following applicants be denied for failure to complete the requirements of the Board within a reasonable length of time. Motion carried.

Dalton, Bill Mark	79-266	Chemical Engineer
Hoffman, Albert	78-355	Industrial Engineer
Isaacson, Kenneth King	78-642	Land Surveyor
McCabe, James L.	78-331	Civil Engineer
Nisbet, James Duncan	78-419	Civil Engineer
Outland, Robert L.	79-80	Architect
Sonnenklar, Adam Eric	78-573	Civil Engineer
Steinke, Lester A.	78-484	Electrical Engineer
Stern, Roger	78-501	Metallurgical Engineer
Wankum, John Vicent	78-705	Civil Engineer
Williams, Meredith L.	77-509	Mechanical Engineer
Wilson, John Lawrence	76-68	Civil Engineer
Casper, Ronald James	78-39	Engineer-in-Training
Fitzsimonds, Michael R.	78-263	Engineer-in-Training
Jolivette, Renee Suzanne	79-76	Engineer-in-Training
Jones, Kermit	78-233	Engineer-in-Training
Rakkrathok, Somchet	78-10	Engineer-in-Training
Smith, Robert W.	79-98	Engineer-in-Training
Stulak, Larry	78-259	Engineer-in-Training
Weeks, Thomas Harrison	78-130	Engineer-in-Training

It was moved by Dr. O'Bannon and seconded by Mr. Trimble that the following applicants for professional registration, having completed the personal audience and all other requirements of this Board, be granted registration and assigned the registration numbers as indicated. Motion carried.

ARCHITECTURE

Bergeson, Edwin B., Jr.	12674
Bonham, William Norton	12675
Bus, David C.	12676
Clendening, Wayne E.	12677
De Nigris, Victor L.	12678
Edwards, Ralph A.	12679
Evans, Julian Humphrey, Jr.	12680
George, Paul William	12681
Hedlund, Douglas E.	12682
Hexum, Ronald Jay	12683
Horowitz, Herbert H.	12684
Ivelich, George	12685
Johns, Marion Paschal	12686
Johnson, Ernst Verner	12687
Kelman, Donald Bruce	12688
Kline, Jon Robert	12689
Lamont, William Stiles	12690
Linde, Richard Montgomery	12691
Lo Presto, Frank	12692
Olsen, Warren Guy	12693
Rogers, Charles F., II	12694
Sclater, Alan David	12695
Shaftel, Stanley J.	12696
Strayer, Martin F.	12697
Sugimura, Gene Minoru	12698
Tate, George Gerald	12699
Thiny, Adam	12700
Vandenberg, Levert A.	12701
Woollett, Joseph Lawrence	12702
Wynn, H. Douglas	12703
Burgess, Jesse Hugh	12780

LANDSCAPE ARCHITECTURE

Rhoads, Alexia Janine	12704
Tyson, Bruce Edward	12705

AERONAUTICAL ENGINEERING

Alexander, Lecil Emmett	12706
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LAND SURVEYING

Carey, Joseph Patrick	12707
Horn, Robert Alan	12708
Lewis, Richard Allen	12709
May, Dan	12710
Pollock, Adrian Roy	12711
Pounds, Robert Lynn	12712
Wallace, Lynn Pyper	12713

CIVIL ENGINEERING

Arora, Madan L.	12714
Bishop, Darrell Joseph	12715
Boarer, James Ellwood	12716
Bogdanovich, Richard Louis	12717
Braselton, Verlon W.	12718
Buchan, Richard Alexander	12719
Bueermann, Richard Alan	12720
Campbell, Christopher Edward	12721
Carlassare, Martin P.	12722
Chan, Ellsworth Llewellyn	12723
Chen, Nan Jim	12724
Conover, James P.	12725
Cooper, Nicholas B.	12726
Cummings, Robert L.	12727
Flug, Marshall	12728
Fox, Edwin Kenneth	12729
Gommel, John Roger	12730
Harrington, William Gene	12731
Hilt, George Harrison	12732
Inocencio, Ramiro S.	12733
Jorgensen, Peter Spencer	12734
Ketterling, Cordell Ferdinand	12735
Langue, Michael Nicholas	12736
Lewis, Richard Allen	12737
Linville, Kenneth Nick	12738
Loomis, Thomas Robert	12739
Midyett, Kenneth Gerald	12740
Nichols, James Lee	12741
Papsun, Frank Robert	12742
Poplin, Richard Lee	12743
Prager, Shelly	12744
Roberts, Craig Arnold	12745
Schechter, Kenneth Michael	12746
Siders, Gary E.	12747
Sonnemann, Thomas Edward	12748
Suarez, Robert Manuel	12749
Tackabery, William Edward	12750
Varga, Joseph Edwin	12751
Wallace, Lynn Pyper	12752
Whitman, Kent Michael	12753
Wilson, Thomas Edward	12754

METALLURGICAL ENGINEERING

Funke, Werner	12755
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SANITARY ENGINEERING

Kawamura, Susumu	12756
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ELECTRICAL ENGINEERING

Felts, Donald Ralph	12757
Haden, Clovis Roland	12758
Karjala, Dale Charles	12759
Martin, David Charles	12760
Oakes, Robert Dean	12761
Tepper, Elmer P.	12762
Vegemast, Ronald George	12763
West, James Burton	12764
Hartley, Robert Henry	12781

MECHANICAL ENGINEERING

McKinney, Earl Frederick	12765
Nelson, Ralph F., Jr.	12766
Rosenberg, Lester Alan	12767
Schmitt, Gerard F., Jr.	12768
Schultz, Kenneth Craft	12769
Young, Robert Martin	12770

MINING ENGINEERING

Knutson, Douglas Robert	12771
Marek, John Markham	12772

STRUCTURAL ENGINEERING

Abe, Victor Hiroshi	12773
Campbell, Richard Wallace	12774
Leung, Kar Ban	12775
Lyons, Patrick Kevin, Jr.	12776
Moller, Paul	12777
Okamoto, Katsuhiko Kenneth	12778
Randhava, Ajit Singh	12779

It was moved by Mr. Trimble and seconded by Dr. Jimenez that the following applicants for in-training registration, having satisfactorily completed the written examination and all other requirements of the Board, be granted in-training registration and assigned the in-training registration numbers as indicated. Motion carried.

ENGINEER-IN-TRAINING

- Castro, Frank G. 2171
- Chapman, Robert 2172
- Craig, Marty Joe 2173
- Creque, Albert Gerald 2174
- Davis, Gregory 2175
- Elliott, Michael J. 2176
- Gavan, Mark Theodore 2177
- Kahler, David R. 2178

- Kelly, Brian John 2179
- Kelly, George J. 2180
- Kucko, Kenneth 2181
- Konves, John M. 2182

- McDaniel, T. Edward 2183
- Mlsna, Phillip Anthony 2184
- Murphy, Daniel Delmer 2185
- Nickel, Patrick Brian 2186
- Parker, Craig Robert 2187

- Porter, Kenneth Ford 2188
- Quan, Terry F. 2189
- Robillard, William L. 2190
- Saathoff, Gary Dean 2191
- Sisley, Tina Marie 2192

- Smith, John Dan 2193
- Taylor, Patrick James 2194
- Walter, Timothy G. 2195
- White, John MacNeill 2196
- Young, Paul T. 2197

	Geologists	Engineers	Architects
1970	\$25	\$25	\$25
1971	\$25	\$25	\$25
1972	\$25	\$25	\$25
1973	\$25	\$25	\$25
1974	\$25	\$25	\$25
1975	\$25	\$25	\$25
1976	\$25	\$25	\$25
1977	\$25	\$25	\$25
1978	\$25	\$25	\$25
1979	\$25	\$25	\$25
1980	\$25	\$25	\$25
1981	\$25	\$25	\$25
1982	\$25	\$25	\$25
1983	\$25	\$25	\$25
1984	\$25	\$25	\$25
1985	\$25	\$25	\$25
1986	\$25	\$25	\$25
1987	\$25	\$25	\$25
1988	\$25	\$25	\$25
1989	\$25	\$25	\$25
1990	\$25	\$25	\$25

There have been notified of higher posts in Architectural and Landscaping Architectural exams for 1980. Taking this into account, we will be forced to... examination expense from removal fees by about \$5,704 if we comply with the law and hold to the \$100 maximum charge. Ordinarily, we would ask the legislature for relief.

REPORT OF THE EXECUTIVE DIRECTOR

November 29, 1979

We have had a preliminary conference with the staff of the Joint Legislative Budget Committee regarding our 1980-81 Budget Request. My comment under the Budget Committee Report grew out of this meeting. JLBC has asked for further definition of our enforcement activity. We have prepared an Activity Summary for them, which is attached to this report.

The Cash Flow Report for October 1979 is attached to this report.

We conducted the Engineering Examinations on November 3 & 4 without mishap; the process worked smoothly. Executive Director noted that exam facilities at the University of Arizona in Tucson were far below the standard we used at the College of Engineering at Arizona State University. We are planning to upgrade these facilities for the next examination in April 1980.

We discovered a file of Opinions from the Attorney General regarding numerous requests from Board members back through October 1937. We will catalog this material, and sometime in the not too distant future we will furnish Board members with the references. Also, I hope to duplicate the file to provide Board members with a circulating reading copy. It should be required reading. (Refer to ARIZONA LEGISLATIVE COUNCIL interpretation attached.)

I would like to point out to the Board that our total application and registration expense exceeds the maximum permitted by the statutes (\$100) in some disciplines. Current maximum expense is as follows:

	<u>Architects</u>	<u>Geologists Engineers</u>	<u>Landscape Architects</u>		
APPLICATION FEE					
In-State	\$25	\$25	\$25		
Out-of-State	\$50	\$50	\$50		\$50
EXAMINATIONS					
In-State	\$90	\$40	\$80		
Out-of-State	\$30	\$20	-		
	\$115	\$65	\$70	\$105	\$50
Additional exams (some candidates)	30				
	\$145				

We have been notified of higher costs in Architectural and Landscape Architectural exams for 1980. Taking this into account, we will be forced to subsidize examination expense from renewal fees by about \$5,700 if we comply with the law and hold to the \$100 maximum charge. Ordinarily, we would ask the legislature for relief.



J. L. ANDREWS & ASSOC.

6747 North Black Canyon

P.O. Box 36161 - Phoenix, Ariz. 85069 - Phone (602) 242-6229

RECEIVED

OCT 19 1979

STATE BOARD TECHNICAL REGISTRATION

Land & Construction Surveys • Photogrammetric Control & Topographic Surveys • Claim Staking • Public Records Research

November 1, 1979

Mr. Jeffrey L. Andrews
J. L. ANDREWS AND ASSOCIATES
P. O. Box 36161
Phoenix, Arizona 85069

October 17th, 1979

State of Arizona
State Board of Technical Registration
1645 West Jefferson Room #315
Phoenix, Arizona 85007

Attn: Mr. Rod Gomez

Dear Mr. Gomez,

As a Licensed Land Surveyor, I would like to see better State Board representation for my profession.

The present Board structure would be better modified to include a Land Surveyor as a permanent Board position, as opposed to the present "rotation" system of representation shared with Landscape Architects, Geologists, and Assayers.

Any action taken by you to implement this Board modification will be greatly appreciated.

Thank you for your time and your attention to this matter.

Sincerely,

J. L. Andrews
Jeffrey L. Andrews

JLA/mab



NATIONAL COUNCIL OF ENGINEERING EXAMINERS
P.O. Box 3002 • Denver, South Carolina 29523 • Telephone: (803) 442-5200

October 7, 1979

MEMBER BOARD OFFICES

November 1, 1979

JACK W. ANDERSON, P.E., CHAIRMAN, LAW ENFORCEMENT COMMITTEE

INVESTIGATIVE/ENFORCEMENT ADVISORY ASSISTANCE

Mr. Jeffrey L. Andrews
J.L. ANDREWS AND ASSOCIATES
P. O. Box 35161
Phoenix, Arizona 85069

Dear Mr. Andrews:

I am acknowledging receipt of your letter of October 17 regarding permanent board membership for land surveyors. I will present this to the Chairman and the Board at the next meeting on December 6, 1979.

You will be pleased to know that the Board made a similar recommendation to the Committee of Reference recently in connection with their public hearing of the Auditor General's report on the Board of Technical Registration.

Very truly yours,

F. Mark Edson
Executive Director

vbn

NOTE TO 50

Alfred H. Saxborn, P.E., NCEE President
NCEE Board of Directors
Norton S. Fine, P.E., L.S., NCEE Executive Director

Handwritten notes:
Wright Co. ...
to Arizona ...
Committee ...
of these ...
plan to ...
an expanded ...
proposal ...
By 10-31 w/ ...



NATIONAL COUNCIL OF ENGINEERING EXAMINERS
P.O. Box 5000 • Seneca, South Carolina 29678 • Telephone (803) 882-5230

October 9, 1979

TO: MEMBER BOARD OFFICES *Jack W. Anderson*
FROM: JACK W. ANDERSON, P.E., CHAIRMAN, LAW ENFORCEMENT COMMITTEE
SUBJECT: INVESTIGATIVE/ENFORCEMENT ADVISORY ASSISTANCE

During the course of the recent NCEE Annual Meeting in Norfolk, Virginia in August 1979, several of the Boards approached a member of this committee inquiring whether some direct advisory assistance in the implementation of their current or newly instituted enforcement program could be afforded them by the experienced investigation consultants of this committee.

This matter was discussed at the meeting of this committee which was held in Atlanta, Georgia on September 27, 1979, and it was agreed that within limits the committee would volunteer to make available to Boards having such enforcement problems on an advisory consultation basis the services of either committee member Elmer F. Emrich of Florida or Stanley M. Gilbert of Texas. As you are undoubtedly aware, both Messrs. Emrich and Gilbert have been investigation consultants with the NCEE Law Enforcement Committee and have performed investigative enforcement activities for their respective Boards for many years.

Any Boards desiring such advisory assistance should communicate with me, furnishing a brief summary of their present or proposed enforcement program and the type of assistance which they feel is needed or would be helpful through this committee. A copy of your registration law, Rules of Professional Conduct and Board Administration Rules should be enclosed with your letter of request.

I might mention that the advisory visitation of one of the above committee members would under normal circumstances not exceed three (3) days and it would be necessary for your Board to defray the transportation and actual cost (hotel and meals) to the consultant providing such services.

NOTE TO BO

Might be useful to Arizona to consult w/ one of these gentlemen prior to setting up an expanded Enforcement program visualized for FY 80-81 w/ Leg Concurrence

JWA:d1p

- cc: Alfred H. Samborn, P.E., NCEE President
- NCEE Board of Directors
- Morton S. Fine, P.E., L.S., NCEE Executive Director

INTRA-COMMITTEE USE

Aug 65

November 26, 1979

3003 N. Central Avenue
Suite 1507
Phoenix, Arizona 85012

November 26, 1979

Reference: Mr. E. W. Morris (retired)
Manager of Engineering and Service
Pacific Coast Region
Westinghouse Electric Corporation.

Mr. F. Mark Edson
Executive Director
State of Arizona
Board of Technical Registration
1645 W. Jefferson
Suite 315
Phoenix, AZ 85007

Dear Mr. Edson:

This letter is being written as a result of our November 19, 1979 telephone conversation. I appreciate very much the opportunity to review my technical engineering experience since 1943 in the field of Electrical Engineering so that the depth of technical contributions to the industry and to this State can be better understood. I also appreciate very much your extending to me the invitation to appear before the Board on December 6, 1979, concerning this matter.

It is with a great deal of pride and personal commitment that I am able to present the technical achievement side of my engineering career to the Technical Board of Registration. I sincerely hope that this record will speak for itself. My engineering work has been in technical depth, has been contributory in nature, has been innovative and creative to the industry, and has advanced the state of the art of electrical engineering throughout the power industry of the country. I will make every effort to contact the references mentioned in this letter so that they will send you letters of confirmation of my technical career. In addition, I will present the Board with copies of the recognition certificates of achievements and the technical papers confirming my statements as contained within this letter.

In order to briefly summarize this experience, I have chosen to subdivide the work into time intervals throughout my engineering career. I have also chosen to list people in the profession who have intimate knowledge of this experience. There is hardly time before December 6 to obtain replies from all of these references, but I will try.

State of Technical Review for the publication, Arizona Engineer.

Reference: Arizona Engineers records.

Mr. F. Mark Edson

-2-

November 26, 1979

Prior to 1950

Two years of detailed design and application training at the various manufacturing headquarters for Westinghouse Electric Corporation, specializing in electrical apparatus used in the electric utility industry.

Reference: Mr. E. W. Morris (retired)
 Manager of Engineering and Service
 Pacific Coast Region
 Westinghouse Electric Corporation.

1950-1960

- A. Taught graduate level Electrical Engineering courses through the University of Southern California evening program on the subjects of Symmetrical Components and Power System Relaying.

Reference: Dr. George T. Harness
 Head of the Electrical Engineering Department
 University of Southern California (retired)

Mr. E. W. Morris (retired)

Mr. J. W. Savage
 Lawrence Livermore Laboratory

- B. Chairman, Arizona Section AIEE (now IEEE).

Reference: Past Chairman Arnold Schwalb
 Manager of Electrical Design
 Salt River Project

- C. Graduate level extension study program for practicing engineers, leading to the degree of Master of Electrical Engineering under the sponsorship of the University of Arizona and taught at Phoenix College. Courses taught in Symmetrical Components and Power System Relaying.

Reference: Dr. Parks (deceased)
 Dean of Engineering
 University of Arizona

J. L. Knickerbocker
 Tucson Electric Power Company

- D. Board of Technical Review for the publication, Arizona Engineer.

Reference: Arizona Engineer records.

Mr. F. Mark Edson

-3-

November 26, 1979

- E. Engineering Manager, Northeast Region, Westinghouse Electric Corporation, Headquarters in New York City. Specialty at that time was future development of nuclear power.

Reference: Mr. E. W. Morris (retired)

1960-1970

- A. Pioneering system development work in 345 kV high voltage transmission systems. This development was to transmit electrical power at the highest voltage being developed in the United States, over the greatest distance in the United States at the time. The development was necessary in order to bring the first coal-fired energy from the Four Corners area into Central Arizona. Pioneering work included the study methods for the analysis of high voltage switching surges through modeling techniques and the installation of series capacitors in EHV transmission lines to enable the transmission of electrical power over long distances.

The 345 kV series capacitors at the Cholla Power Plant were the first such application in the electrical industry in the United States. I performed the calculations leading to the successful system application of that pioneering effort.

My reference paper was the most outstanding paper in the technical field and was recommended for representation before the worldwide power industry C.I.G.R.E. meeting in Paris, France.

Reference: Mr. Hank Lydick
Chief Design Engineer
Tucson Electric Power Company

Mr. Vince Converti
Manager, Computer Services
Arizona Public Service Company

Technical Paper (to be presented 12/6/79)

- B. Power system analysis of the transmission of electrical power from the Four Corners area to Southern California over 500 kV AC EHV system. This original EHV 500 kV transmission line, 600 miles in length, was the longest in the world without intermediate switching stations. Again, this was pioneering work in the industry. The initial systems engineering work was done jointly by myself and Mr. L. H. Wheeler (deceased) of the Southern California Edison Company.

Reference: F. A. McCrackin
Manager of Environmental Planning
Southern California Edison Company

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Mr. F. Mark Edson

-4-

November 26, 1979

- C. Pacific Coast Northwest/Southwest AC/DC Intertie. I was a member of the original nine-man Technical Committee which performed all of the system planning studies, making possible the installation of what is still the longest DC 800 kV transmission line (approximately 1,400 miles from Oregon to Southern California) in the world. This system also involved two 500 kV AC lines extending from the State of Washington into Southern California.

Reference: Dr. E. W. Kimbark, Consultant
Bonneville Power Administration

Mr. Ralph Gens, Chief Engineer,
Bonneville Power Administration

Mr. Art Armstrong
Manager of Planning and Protection
Portland General Electric Company

Dr. Charles Concordia
Consulting Engineer

- D. Chairman of a Technical Studies Task Force for the Four Corners Project during the first operating period of the two 750 MW units at that location. This technical group reviewed all of the technical problems of the 500 kV and 345 kV high voltage transmission system into Central Arizona, California and New Mexico. The department I was in charge of at Arizona Public Service did most of the technical investigations. I understand this group is still in existence.

Reference: Mr. C. D. Bedford
Vice President
Public Service Company of New Mexico

- E. Directed all systems study state analyses of the entire eleven western states' EHV system for two years prior to the establishment of a permanent group in Salt Lake City to do this work.

Reference: Mr. Gene Lawerman
Manager of Resources Development
Salt River Project

Mr. J. L. Knickerbocker
Tucson Electric Power Company

Mr. Dennis Eyere
Administrator Manager
Western Systems Coordinating Council

Mr. F. Mark Edson

-5-

November 26, 1979

- F. Chairman, for eight years, of the Edison Electric Institute National Subcommittee on Transmission and Interconnections. This group met to discuss and analyze the problems of EHV transmission systems throughout the United States.

Reference: Mr. John Cazzazza
Vice President
Stone and Webster, Engineering Consulting Firm

- G. Assistant Professor, Arizona State University. Courses taught in power system relaying, power system analysis and power system abnormal performance.

Reference: Dr. Truet B. Thompson
Professor, Electrical Engineering Department
Arizona State University

- H. Outstanding Arizona Engineer of the Year Award for significant contributions to Electrical Engineering.

Reference: Mr. S. M. Chalmers
Chief Engineer, Power Company
Salt River Project

1970-1980.

- A. Past Chairman of the Edison Institute System Planning Committee. This national group of power system planning engineers meets three times a year to discuss technical problems throughout the electric utility industry. Business is conducted by three subcommittees. I was Chairman of one subcommittee for 8 years. I served two years as Vice Chairman and two years as Chairman of this group. The 12 years experience I gained through this work has given me first hand national experience of the electric power industry.

Reference: Certificate from EEI (to be presented 12/6/79).

- B. Chairman of the Transmission and Operating Committee of the Navajo Project (the 3 x 750 MW power plant near Page, Arizona) from inception to operation. This group was responsible for all of the joint system planning for the 500 kV transmission system into California and to Phoenix and the 345 kV system to Tucson. During that time this Committee analyzed and I contributed to the first known solution to the sub-synchronous resonant problem found to exist with long distance EHV transmission systems. This problem is still intimately discussed at the technical level. I jointly co-authored the first paper on this subject to be presented to the industry. Since that time others, of course, have gone on to continue this work.

Copy of Certificate (to be presented)

70

Mr. F. Mark Edson

November 26, 1979

Reference: Mr. Arnie Schwalb
 Manager, Electrical Design
 Salt River Project

Mr. R. G. Farmer
 Consulting Engineer
 Arizona Public Service Company

- C. Chairman of the Palo Verde Nuclear Project System Studies Committee. This Committee, composed of one representative from each of the participating companies of the Palo Verde Project developed all of the plans for the transmission system throughout Arizona and New Mexico for delivery of over 3,800 MW of power. Most of this technical work was done under my personal direction, but discussed and presented to this Committee. This development involved extension of the 500 kV system throughout Arizona and California and the 345 kV system throughout Arizona and New Mexico.

Reference: Ed Van Brunt
 Vice President
 Nuclear Services
 Arizona Public Service Company

- D. Honorary Member, Arizona State University Chapter of Eta Kappa Nu, the Electrical Engineering Honor Society. Nominated because of contributions to the field of Electrical Engineering.

Reference: Dr. George Barkas
 Assistant Dean of Engineering
 Arizona State University

Dr. Tom Tice
 Professor of Electrical Engineering
 Arizona State University

Copy of Certificate (to be presented)

- E. Honorary Member, Arizona State University Chapter of Tau Beta Pi, the Engineering Honor Society. Nominated because of outstanding contributions to the field of engineering.

Reference: Dr. George Barkas
 Assistant Dean of Engineering
 Arizona State University

Dr. Tom Tice
 Professor of Electrical Engineering
 Arizona State University

Copy of Certificate (to be presented)

Mr. F. Mark Edson

-7-

November 26, 1979

- F. Past member of the Western Systems Coordinating Council Engineering and Planning Committee. Past member of the Technical Studies Subcommittee of the WSCC from its organization until July, 1976. Past Chairman of the System Reliability Subcommittee of the Western Systems Coordinating Council.

An outstanding event during this tenure was the privilege of presenting the Western System Coordinating Council Outstanding Technical Achievements and Developments to the Federal Power Commission (now FERC). Sharing that distinction was Mr. Floyd Goss, General Manager, Los Angeles Department of Water and Power; Mr. J. H. Drake, Manager of System Engineering, Southern California Edison Company; and Mr. H. R. Perry, Chief Planning Engineer of Pacific Gas and Electric Company.

Reference: Mr. Robert Krohn
Administrator - Engineering
Western Area Power Administration
Denver, Colorado

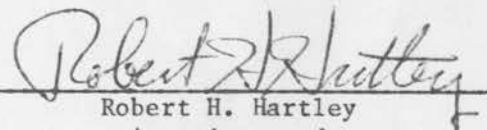
Mr. Harvey Hunkins
Acting Administrator, Engineering
Western Area Power Administration

Mr. F. G. Schaufelberger
Assistant Chief Engineer
Bonneville Power Administration

- G. Group Leader for the Department of Energy National Power Grid Study Task 10. This Task 10, together with eleven other investigations, has been the basis for the Department of Energy Report, which has just been given to the Congress. Three of the policies on a National Power Grid as presented by the Department of Energy to the Congress are quite evident in this Task 10 Report.

Reference: W. E. Trommershausen
Chief Consulting Engineer
R. W. Beck and Associates

Very truly yours,



Robert H. Hartley
Associate and
Executive Electrical Engineer
Engineering Consulting Firm of
R. W. Beck and Associates

AMWEST ENGINEERING COMPANY

CONSULTING ENGINEERS
CIVIL • PLANNING • SURVEYING
Member ACEA • ASPE

David B. Hall, Pres.
Grove M. Garrison, P.E. Vice Pres.
Keith Mikolas, P.E.

3216 North Third Street, Suite 302
Phoenix, Arizona 85012
Phones: (602) 266-4433 - 266-4434

November 28, 1979

October 25, 1979

RECEIVED

STATE BOARD OF TECHNICAL REGISTRATION

State of Arizona
Board of Technical Registration
1645 W. Jefferson
Suite 315
Phoenix, AZ 85007

Gentlemen,

I feel that the Engineering Evaluation Committee's decision that my experience falls eleven months short of the requirements for combined Civil Engineering and Land Surveying registration is in error.

I would like to personally present this matter before the Board at its December 6th meeting.

Most sincerely,



Keith Mikolas

KM/lkh

November 25, 1979

State Board of Technical Registration
 140 West Jefferson
 Phoenix, Arizona 85008

Attn: Mr. Mark Edson.

October 26, 1979

Dear Mark:

Over the past year we as registered professionals have become aware of many apparent violations of the current Code of the State Board of Technical Registration in the City of Prescott. We are concerned both professionally and personally about this situation.

Mr. Miles K. Mikolas
 3216 North 3rd Street, Suite 302
 Phoenix, Arizona 85012

RE: 79-159, Land Surveyor

Dear Mr. Mikolas:

I finally had an opportunity to review your request for re-evaluation with members of the Engineering Evaluation Committee. Please accept my apology for the delay in answering. I only recently assumed the directorship, and your application was in process at the time of the change.

The Committee, after reviewing your submission of August 8, still finds you are eleven months short of their required experience level for combined civil engineering and land surveying registration. This appears to confirm the finding of July 12, 1979 that you needed 18 months of additional experience. By way of explanation, the Committee did not accept your engagements #2,8,9 & 10 as applicable learning experience for civil engineering or land surveying; and it concurred that some of the other engagements you listed were of extremely short duration--ten of them were two months or less.

The Committee's recommendation to the Board at its meeting on December 6, 1979 will be that your application for registration be denied and that you obtain approximately one year of additional experience before re-applying.

Very truly yours,

F. Mark Edson
 Executive Director

vbn

November 26, 1979

4372

State Board of Technical Registration
1645 West Jefferson
Phoenix, Arizona 85008

Attn: Mr. Mark Edson.

Dear Mark:

Over the past year we as registered professionals have become aware of many apparent violations of the current Code of the State Board of Technical Registration in the City of Prescott. We are concerned both professionally and personally about this situation.

One example of what we understand to be a violation is a recent remodelling project awarded by the County Hospital, Yavapai Community Hospital. The construction contract was slightly in excess of \$190,000. and involved the relocation of several hospital departments as well as circulation and fire separation problems. This project was designed by a local artist/designer with no architectural or engineering credentials. The design was subsequently approved by the State Board of Health and has proceeded into construction. To the best of our knowledge, the only registered professionals who may have come in contact with this project are the Inspectors from the State Board of Health. This is only one of many problems of which we are aware.

There is locally, some confusion as to the exact regulatory provisions of the Code. To eliminate this confusion, we urgently need you, as Executive Director of the State Board of Technical Registration to come to Prescott to advise registrants, non-registrants, and representatives of relevant public agencies as to the nature of the provisions of the Code as established by the State of Arizona. Mr. Mason Hewitt, Chief of Department of Building Inspection, City of Prescott, has offered to invite those people who would be affected to attend this meeting. Would you please contact us, through Mr. Gardner's office, so that we can arrange this meeting.

Sincerely Yours,

Joseph A. Gardner

Joseph A. Gardner, #10064
(Architect)

Robert S. McLandress

Robert S. McLandress, #12011
(Architect)

William S. Haley

William S. Haley, P.E. #10500 (Civil)
#11646 (Structural)

- encl. Names & addresses of signees.
- c.c. Mason Hewitt, City of Prescott.

enclosure: State Board of Technical Registration letter dated 11/26/79 - Attn: Mark Edson

Joseph A. Gardner, Architect
232 N. Cortez
Prescott, Arizona 86301
778-3691

Robert S. McLandress, Architect.
2965 Horizon Hills Drive
Prescott, Arizona 86301
778-0814

William S. Haley, P.E. Structural Engineer
P.O. Box 831
Prescott, Arizona 86302
445-1281

RECEIVED
OCT 5 - 1979
THE STATE BOARD OF TECHNICAL REGISTRATION

BUD TIMS
CHAIRMAN

John Ahearn
COMMISSIONER

JIM WEEKS
COMMISSIONER



GEORGE C. ANDERSON, JR.
EXECUTIVE SECRETARY

ARIZONA CORPORATION COMMISSION

RECEIVED

DEC 5 - 1979

STATE BOARD TECHNICAL REGISTRATION

December 4, 1979

F. Mark Edson
Executive Director
State of Arizona Board of Technical Registration
1645 West Jefferson, Suite 315
Phoenix, Arizona 85007

Dear Mr. Edson:

This is a follow-up to facts outlined in your previous correspondence of November 1, 1979 detailing the problem of those corporations using a corporate name that denotes a professional connection or background. We agree completely that corporations having as a part of the name a word that implies a professional connection, (Engineer, Doctor, Architect, etc.,) gives the public the impression that the corporation offers services by one who is a trained professional in the designated field.

The extent to which this misleads the public is a problem we are aware of. Your correspondence serves as a catalyst to stimulate our plans for resolving the problem.

To the contrary, as expressed in the third paragraph of your correspondence, we must, by statute, distinguish between valid names and those which are illegal. Whatever plan is finally agreed on, this agency by statute must be the final determiner of the legality of that name. The problem is not in the legality or illegality of the names. The problem is that the commission does not know and is not charged with knowing the rules and regulations governing the several profession(s) and the existence of any codes of professional responsibility as they relate to the respective professions, if any. For years the commission has, in conjunction with the Insurance Department, worked a reciprocal agreement in eliminating this type of problem. It has not been troublesome to either agency. Any group desiring to incorporate a life insurance company is required to file their articles with the Incorporating Division under the general corporation laws and must first submit their articles to the Insurance Department for screening. Those articles must contain the minimum requirements of the general corporation law as administered by this division and as required by insurance statutes, regulations, etc. It is immaterial for our general corporation purposes that insurance law, statutes, or other agencies may have more stringent requirements. For example: General corporate law requires a minimum of two (2) incorporators; insurance law requires a minimum of five (5). In this circumstance there is no legal problem in

F. Mark Edson
 December 4, 1979
 Page Two

presenting the articles for pre-examination to the Insurance Department because of statutory requirements. Nor do I foresee any problem in prior approval by boards or agencies wherein the profession is permitted by statute to form a professional corporation and the profession has adopted a code of professional responsibility (Attorneys' Code of Professional Responsibility) whereby jurisdiction is exercised over the corporation by controls of the individual's conduct. I do foresee possible problems in reference to boards or agencies being able to pre-examine articles because of

1. Lack of statutory authority.
2. Absence of code of professional responsibility subscribed to by all members of the profession and control of the corporation is through control of the members.
3. General definition of the meaning of some professional terms.

I would appreciate your evaluation of the above three areas and advising us by forwarding us material dealing with the following:

1. All sections of the A.R.S. dealing with engineering.
2. A copy of any or all codes of professional responsibility adopted by the profession.
3. Any rules or regulations adopted by the board or agency regulating the profession.

The general definitions given by Webster's New Collegiate Dictionary, Copyright 1977, Page 378, causes me great concern because of the various definitions for engineer and engineering. Example:

1. a member of a military group devoted to engineering work.
2. a crafty schemer; plotter.
3. a: a designer or builder of engines.
 b: a person who is trained in or follows as a profession a branch of engineering.
 c: A person who carries through an enterprise by skillful or artful contrivance.
4. a person who runs or supervises an engine or an apparatus.

I can foresee the possibilities of a person filing articles of incorporation and using the term "Engineer" in the sense of one carrying through an enterprise by skillful or artful contrivance or one who manages. Such general meanings make me cautious as to whether or not one who uses the term "engineer" in their corporate name can be the subject of a prior screening before filing

F. Mark Edson
December 4, 1979
Page Three

BOARD OF TECHNICAL REGISTRATION

ACCOUNTANTS, ENGINEERS, GEOLOGISTS, LANDSCAPE ARCHITECTS AND LAND SURVEYORS
100 N. JOHNSON, SUITE 215 • PHOENIX, ARIZONA 85007 • (602) 222-4222

said corporate articles. There is a real question if any such agreement or plan between this division and other agencies to require a pre-screening based on professional responsibility would be legal in the absence of statutory authority or adopted rules and regulations. Your thoughts as to this point and others will be appreciated.

There can be no question that prior screening would be the answer to the problems you enumerate. All boards or agencies who must ultimately license professional persons would be in a position to protect the public.

Copies of this correspondence are being sent to boards and agencies that exercise control over persons and corporations that represent that they are a part of a particular profession. Those boards and agencies having a similar problem may wish to contribute to the solutions.

I strongly recommend that we spend the next ninety (90) days gathering materials and facts. Thereafter I will await your initiative for the convening of a meeting of all interested persons or agencies who can contribute to resolving the problem. Our total efforts will be given to aid in the resolution of this difficult matter.

Your time and attention to this matter is appreciated.

Sincerely,

Reuben M. Payne
REUBEN M. PAYNE
DIRECTOR - INCORPORATING DIVISION

ARIZONA CORPORATION COMMISSION

RMP:fp

cc to the following:

- Elaine Laeger, State Board of Nursing
- Walter Madsen, Banking Department
- Thomas Douglas, Board of Dental Examiners
- Paul R. Boykin, Board of Medical Examiners
- Director, Insurance Department
- Billie Hodges, Nursing Care Institute Admin.
- Alfred Duncan, Pharmacy Board
- Martin Laderman, State Board of Optometry
- Thomas Schrimsher, D.V.M., Veterinary Medicine Exam. Board
- Kenneth Sundlof, Assistant Attorney General
- George C. Anderson, Jr., Executive Secretary, ACC



State of Arizona
BOARD OF TECHNICAL REGISTRATION

04377

FOR ARCHITECTS, ASSAYERS, ENGINEERS, GEOLOGISTS, LANDSCAPE ARCHITECTS AND LAND SURVEYORS
 1645 W. JEFFERSON, SUITE 315 • PHOENIX, ARIZONA 85007 • (602) 255-4053

Members of the Board

Executive Director

Auditor General's Recommendation #1

Proposed fee for printing and mailing annual roster of active registrants.

December 5, 1979

Mr. Reuben M. Payne, Director
 Incorporating Division
 Arizona Corporation Commission
 2222 West Encanto Boulevard
 Phoenix, Arizona 85009

Dear Mr. Payne:

Thank you very much for your thoughtful response to my inquiry of November 1, 1979. Your proposal for careful analysis of the problem and the involvement of other agencies in a mutual discussion can only lead to improved procedures on all our parts. I thank you for being the generator. We'll be very happy to participate, and I'll respond to your questions about our code and standards in the near future.

Sincerely,

F. Mark Edson
 Executive Director

vbn

It now appears that to make this charge legally, we must incorporate the figures into our rules.

Calculations supporting the charges are as follows:

ANNUAL ROSTER 1979 Expenses	\$11,968	(including postage)
Number of copies	1,000	
Cost per copy	\$11.97	
Cost per page @ 12¢	0.0008 or 1¢	

Annual report will consist of an activity summary for the year--perhaps 2 or 4 pages.

REPORT - ANNUAL ROSTER OF ACTIVE REGISTRANTS

November 29, 1979

TO: Members of the Board
 FROM: Executive Director
 RE: Auditor General's Recommendation #8
 Proposed fee for printing and mailing annual roster of active registrants.

Staff proposes to implement the above cited recommendation. We have prepared the following "stuffer", which we propose to include with a copy of our Annual Report* in a mailing to all registrants--about the middle of January.

NOTICE TO ALL REGISTRANTS

The Board has accepted the Auditor General's recommendation that a fee be charged for printing and mailing the alphabetical roster of active registrants. The Board also has authorized the printing of a numerical list of all active, delinquent and deceased civil engineers and land surveyors for the purpose of identifying survey markers. If you wish order either or both of these rosters, please return this form with payment to:

STATE BOARD OF TECHNICAL REGISTRATION
 1645 W. Jefferson, Suite 315, Phoenix, Arizona 85007

Please send me:

- _____ Copies ALPHABETICAL ROSTER OF ACTIVE REGISTRANTS @ \$4.50 each.
- _____ Copies NUMERICAL ROSTER OF CIVIL ENGINEERS & LAND SURVEYORS @ \$2.00 each.

Name _____ Amount Enclosed _____

Address _____

It now appears that to make this charge legally, we must incorporate the figures into our rules.

Calculations supporting the charges are as follows:

ANNUAL ROSTER 1979 Expenses	\$11,968	(including postage)
Number of copies	<u>9,000</u>	
Cost per copy	<u>\$1.33</u>	
Cost per page @ 136	<u>.0098¢ or 1¢</u>	

* Annual Report will consist of an activity summary for the year--perhaps 5 or 6 pages.

1980 ESTIMATES

8½ x 11 Format - 96 Names per page (Half-size reproduction of computer printout)

90 Pages - For approx. 8,600 active registrants

Assume: 100 Gratis copies
2,400 Sales

Total 2,500 x 90 pages x 1½¢ = \$3,375.00

Additional mailing & copies Annual Report 8,600 x 28¢ (postage & printing & envelopes) = 2,408.00

\$5,783.00

Unit Cost = \$5,783.00/2400 Sales = \$2.41

Assume half as many sales:

1250 x 90 x 2¢ = \$2,250.00

Annual Report Mailing = 2,408.00

\$4,658.00

Unit Cost = \$4,658.00/1150 Sales = \$4.05

Recommend Sale Price of \$4.50

Executive Director recommends to the Board that Rule R4-30-39 be changed as follows:

R4-30-30. Miscellaneous Fees for Services

Annual Report.....	\$1.00
New Certificates.....	3.00
Photostatic Copies.....	.25 a page
Annual Alphabetical Roster of Active Registrants..	4.50
Numerical Roster of Civil Engineers and Land Surveyors.....	2.00

PROPOSED RULE

Pursuant to A.R.S. §32-124 and §32-127.C the State Board of Technical Registration proposes to adopt a rule, similar in substance, terms and conditions to the wording of the following:

R4-30-30. Miscellaneous Fees for Services

Annual Report	\$1.00
New Certificates.	\$3.00
Photostatic Copies.25 a page
ANNUAL ALPHABETICAL ROSTER OF ACTIVE REGISTRANTS.	\$4.50
NUMERICAL ROSTER OF CIVIL ENGINEERS AND LAND SURVEYORS.	\$2.00

at the regular meeting of the board held December 6, 1979 be approved as presented with a clerical correction of Page 2148 as follows:

Unanimous, except as noted by 79-701-0041, Test, Item 4g, Prof. Eng. Sec. 2.1. Motion carried.

EXECUTIVE COMMITTEE

No reports.

PLANS AND BY-LAWS COMMITTEE

No reports.

LEGISLATIVE COMMITTEE

No report.

The Executive Director informed the Board that HB2092 has not yet been scheduled for hearing and that identical SB1274 has been introduced by the Senate Commerce and Labor Committee. All amended suggestions are being put into legislative form.

EXAMINATION AND EXAMINATION COMMITTEES

ARCHITECTURAL COMMITTEE

1. Executive Chairman Roger Seckoff presented the report of a meeting held January 22, 1980 at the Ritz-Carlton Hotel, Phoenix.

It was noted by Mr. Seckoff and approved by Mr. Williams that items 1 and 2 of this report be approved and implemented by the board. Motion carried.

MINUTES OF MEETING
ARIZONA STATE BOARD OF TECHNICAL REGISTRATION
February 22, 1980

A special meeting of the State Board of Technical Registration was held Friday, February 22, 1980 at 1645 W. Jefferson, Room 315, Phoenix, Arizona at 1:30 P.M. The meeting was called to order by Chairman Rod J. Gomez.

PRESENT

Rod J. Gomez, Chairman
Kemper Goodwin, Vice Chairman
Wayne O. Earley, Secretary
William S. Gookin
Jimmie R. Nunn
Charles E. O'Bannon

ABSENT

John B. Trimble
Rudolf A. Jimenez

Those present constituted a quorum.

1. MINUTES

It was moved by Dr. O'Bannon and seconded by Mr. Goodwin that the minutes of the regular meeting of the board held December 6, 1979 be approved as presented with a clerical correction of Page 4346 as follows:

Lindquist, Bruce Lowell 79-707 Qual. Test, Sect. A; Prof. Exam, Sect. B.
Motion carried.

2. EXECUTIVE COMMITTEE

No report.

3. RULES AND BY-LAWS COMMITTEE

No report.

4. LEGISLATIVE COMMITTEE

No report.

The Executive Director informed the Board that HB2092 has not yet been scheduled for hearing and that identical SB1214 has been introduced by the Senate Commerce and Labor Committee. All amended suggestions are being put into legislative form.

5. EVALUATION AND EXAMINATION COMMITTEESA. ARCHITECTURAL COMMITTEE

1. Committee Chairman Kemper Goodwin presented the report of a meeting held January 11, 1980 shown as Minute Pages 4385-4386.

It was moved by Mr. Goodwin and seconded by Dr. O'Bannon that Items 1 and 2 of this report be approved and implemented by the board. Motion carried.

2. Mr. Goodwin presented the report of a meeting held February 8, 1980 shown on Minute Page 4387.

It was moved by Mr. Goodwin and seconded by Dr. O'Bannon that Items 1,2,3,4 of this report be approved and implemented by the Board. Motion carried.

3. Mr. Goodwin presented the report of a meeting of the Examination Committee held February 8, 1980 shown on Minute Pages 4388-4390.

It was moved by Mr. Goodwin and seconded by Dr. O'Bannon that this report be accepted and implemented by the Board and that the grades be certified as shown. Motion passed.

B. ENGINEERING COMMITTEE

1. Committee Chairman Charles E. O'Bannon presented the report of meetings held January 17-18, 1980 shown on Minute Pages 4391-4396.

It was moved by Dr. O'Bannon and seconded by Mr. Goodwin that Items 1,2,3, and 4 be accepted and implemented by the Board. Motion passed.

It was moved by Dr. O'Bannon and seconded by Mr. Goodwin that the applicants listed in Item 5 of the report be denied registration in Civil Engineering for lack of experience. Motion carried. It was the opinion of the Board that these applicants should apply for registration in Structural Engineering.

Deichman, A. Michael, 79-763, Mechanical Engineer

It was moved by Dr. O'Bannon and seconded by Mr. Goodwin that Mr. Deichmann's request be denied and that the Committee's recommendation to hold him for Parts 3 and 4 of the Mechanical Engineering exam be upheld. Motion carried.

Item 7 of this report was tabled for discussion at the March 7, 1980 regular meeting of the board.

2. Dr. O'Bannon presented the report of meetings held February 14-15, 1980 shown on Minute Pages 4397-4400.

It was moved by Dr. O'Bannon and seconded by Mr. Earley that Items 1,2,3,4,5 of this report be accepted and implemented by the Board. Motion passed.

Baldwin, John Frank, 79-751-Civil Engineer

It was moved by Dr. O'Bannon and seconded by Mr. Nunn that Mr. Baldwin's request that he be held for examination in Structural Engineering, Parts 5 and 6, be granted. Motion passed.

Minichello, Thomas Joseph, 79-106 - Civil Engineer

It was moved by Dr. O'Bannon and seconded by Mr. Earley that the Committee's recommendation regarding Mr. Minichello be accepted and implemented by the Board with the stipulation that Mr. Minichello will be proctored by the New Hampshire Board only one time. Motion passed.

Item 8 was noted by the board--no action was taken.

Item 9 was tabled for the regular board meeting to be held March 7, 1980.

3. Dr. O'Bannon presented the report of the Examination Committee shown on Minute Pages 4401-4410.

It was moved by Dr. O'Bannon and seconded by Mr. Goodwin that the report be accepted and implemented by the board and that the grades be certified as shown. Motion carried.

6. REGISTRATIONS GRANTED (See Minute Pages 4411-4415.)
7. REGISTRATIONS DENIED (See Minute Pages 4416.)
8. PUBLIC INFORMATION COMMITTEE
No report.
9. BUDGET COMMITTEE
No report.
10. EXECUTIVE DIRECTOR

Mr. Edson informed the board that he had rehired Teri Taylor in a Provisional Status.

Mr. Edson asked the board's permission to include Water Shed Management area when he contacts the Department of Transportation regarding the bridge failures.

It was moved by Dr. O'Bannon and seconded by Mr. Goodwin that the Executive Director be instructed to draft a letter to the Governor, stating the board's position regarding the bridge failures and outlining problem areas. Mr. Edson is to consult with Mr. Gookin on this project and present the drafted letter to the board at its regular meeting on March 7, 1980. Motion carried.

Chairman Rod Gomez directed the Executive Director to write a letter to the Highway Department to initiate an investigation regarding the bridge failures and to request plans, specs., calcs., soil reports, hydrology reports, and investigative reports from consultants.

11. READING OF COMMUNICATIONS
None.

12. UNFINISHED BUSINESS

None.

13. NEW BUSINESS

Mr. Goodwin moved to direct the Executive Director to write a letter to the Health Department, advising that its regulations regarding swimming pools are in violation of the Code of the State Board of Technical Registration; Dr. O'Bannon seconded the motion. Motion passed.

14. ADJOURNMENT

There being no further business before the board, it was moved by Dr. O'Bannon and seconded by Mr. Goodwin that the meeting be adjourned. Motion carried. Meeting adjourned at 3:20 P.M.

The following applicants, having appeared before the Committee and having satisfied the Committee that they are fully qualified to receive registration in Arizona under A.R.S. 32-123.1 and 32-123.2, are hereby recommended for registration:

Respectfully submitted,

Earley, Kenneth Lufay	79-030
Earley, John Wyness	79-011
Earley, Donald Fredrick	79-763
Earley, Paul R.	79-703
Earley, Robert John	79-713
Earley, Robert Paul	79-741
Earley, John Edward	79-852
Earley, Edward Dennis	79-708

79-714
79-715
79-717
79-718
79-719
79-720
79-721
79-722
79-723
79-724

Wayne O. Earley
Wayne O. Earley
Secretary

The following applicants, having appeared before the Committee for a personal interview, need demonstration of additional evidence of their proficiency (A.R.S. 32-123.5), and it is recommended to the Board that these individuals be held for examination as indicated:

Earley, Kenneth Raymond	79-076	Qual. Test, Prof. Exam, Sect. A.
Earley, Bruce L.	79-713	Prof. Exam, Sect. A, Sect. B.
Earley, John Edwin	79-714	Qual. Test, Part B; Prof. Exam, Sect. B
Earley, Peter	79-716	Prof. Exam, Sect. A
Earley, Bruce Dale	79-744	Prof. Exam, Sect. A

The Committee discussed a questionnaire from the Western Conference of State Architectural Registration Boards (WCAARB) regarding the Board's action on the requested response. (Copy attached to this report.)

The Board - The Committee will consider this matter after receiving a report from the Executive Director of WCAARB, its Joint Coordinating Committee Meeting in Los Angeles, California on February 3-5, 1980.

Respectfully submitted,
[Signature]
Committee Chairman

January 23, 1980

TO: Board of Technical Registration
 FROM: Architectural Evaluation Committee
 SUBJECT: Evaluation of Applicants

The Architectural Evaluation Committee met January 11, 1980 in Phoenix, Arizona with the following members present:

Kemper Goodwin
 Jimmie R. Nunn

The Committee reviewed the following applicants and makes to the Board the recommendations shown regarding registration in Arizona.

1. The following applicants, having appeared before the Committee and having satisfied the Committee that they are fully qualified to receive registration in Arizona under A.R.S. 32-123.A and A.R.S. 32-126, are hereby recommended for registration:

Butts, Kenneth LeRoy	79-820	Poskanzer, Barry	79-714
Day, John Wyness	79-811	Salkin, Lawrence E.	79-596
Evans, Donald Fredrick	79-768	Seidel, Sherry Toni	79-737
Gershen, Paul R.	79-769	Thompson, Lawrence Erle	79-31
Hornacek, Robert John	79-713	Walsh, Dennis Franz	79-772
Meyerhof, Robert Paul	79-741	Williams, W. Gene	79-813
Mixon, John Spencer	78-552	Woziwodzki, Thaddeus Miron	79-482
Oehler, Richard Dennis	79-708		

2. The following applicants, having appeared before the Committee for a personal audience interview, need demonstration of additional evidence of their proficiency (A.R.S. 32-123.B), and it is recommended to the Board that these individuals be held for examinations as indicated:

Conner, Kenneth Raymond	79-678	Qual. Test; Prof. Exam, Sect. A.
Dawson, Bruce L.	79-743	Prof. Exam, Sect. A, Sect. B.
Klein, James Erwin	79-734	Qual. Test, Part B; Prof. Exam, Sect. B
Nimmer, Peter	79-736	Prof. Exam, Sect. A
Pearsall, Bryce Dale	79-744	Prof. Exam, Sect. A

3. The Committee discussed a questionnaire from the Western Conference of State Architectural Registration Boards (WCARB) regarding R5C's Review and made the requested response. (Copy attached to this report.)
4. IDP Program - The Committee will consider this matter after receiving a report from the Executive Director of NCARB/AID/IDP Coordinating Committee Meeting in Los Angeles, California on February 3-5, 1980.

Respectfully submitted,

Kemper Goodwin
 Kemper Goodwin
 Committee Chairman

WESTERN CONFERENCE
State Architectural Registration Boards

04386

December 28, 1979

TO: State Boards - Western Conference
FROM: Eleanor L. Gundran - WCARB Secretary
SUBJECT: Scope of R5C's Review and Activities

Burtch Beall has asked that each of the twelve Western jurisdictions be polled on the following:

1. Does your Board support the concept of "Grade Averaging" of the scores in the four sections of the Professional Examination?
No
2. Does your Board support the concept of giving partial credit in the Professional Examination and allowing the candidate to retain the partial credit for a limited period while returning to take only those sections failed?
YES
3. Does your Board support the concept of administering a single examination to all candidates on a semi-annual basis?
YES
4. Does your Board wish the Resolution 5 Committee to undertake a study of the above issues at this time or wait until the completion of the Job Analysis and Test Validation currently under way?
PERFORM STUDY OF ISSUES & MAKE RECOMMENDATIONS
TO ANNUAL CONFERENCE, JUNE 1980

As this is information Burtch needs within the next two weeks, I have enclosed a stamped, return envelope addressed to him. To meet his deadline, you may have to poll your Board by telephone if they have not already discussed these issues.

THANK YOU FOR YOUR SPEEDY RESPONSE!!

Eleanor L. Gundran
Exec. Director

Jimmie K. Brown
J. Kemper Coe - Chairman

February 8, 1980

TO: Board of Technical Registration
 FROM: Architectural Evaluation Committee
 SUBJECT: EVALUATION OF APPLICANTS

The Architectural Evaluation Committee met February 8, 1980 in Phoenix, Arizona with the following member present:

Kemper Goodwin

The Committee reviewed the following applicants and makes to the Board the recommendations shown regarding registration in Arizona.

1. The following applicants, having appeared before the Committee and having satisfied the Committee that they are fully qualified to receive registration in Arizona under A.R.S. 32-123.A and A.R.S. 32-126, are hereby recommended for registration:

Barclay, Frederick John	79-795	McGuire, John Francis	80-066
Braganza, Claude Flavian	80-007	Roberts, William Louis	79-812
Chartrand, Alvin Alfred	80-017	* Schulte, Gordon H.	79-776
Forbes, James M.	79-781	Umemoto, Kazuo	79-822
Harle, Abbott	80-023	White, Norman Andrew	80-068
Hodges, Donald Carey	80-064	Yamafuji, Robert Mitsushi	79-554
Marley, Carla Louise	79-823		
Marley, Larry Gene	79-824	* Pending successful completion of treatise.	

2. The following applicant, having been advised of additional requirements required for registration and having failed to respond, is hereby recommended for denial of his application for failure to complete the requirements of the Board within a reasonable length of time:

Kovach, Edward J. 79-239

3. LINDQUIST, BRUCE LOWELL, 79-707

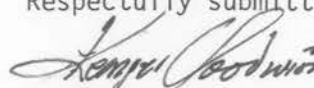
Due to a clerical error, on December 6, 1979 incorrectly held Mr. Lindquist for the wrong examinations. It is recommended that Minute Page 4346 be corrected to hold Mr. Lindquist for the following examinations:

Qualifying Test, Section A
 Professional Exam, Section B

4. The following individual's application for the Architect-in-Training Program was reviewed, and it is recommended that he be held for the following exams:

Lamb, Gary Allen	80-01	Qualifying Test, Sections A,B,C,D Professional Exam, Part A (Design)
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Respectfully submitted,



Kemper Goodwin, Committee Chairman

February 8, 1980

TO: State Board of Technical Registration

FROM: Architectural Examination Committee

The Architectural Examination Committee met on Friday, February 8, 1980 in Phoenix, Arizona with Chairman Kemper Goodwin and Executive Director Mark Edson being present.

The meeting was held to review the results of the Architects' Professional Examination given December 10-11, 1979. The final results of the examinations are shown on the following pages.

The Architectural Examination Committee recommends to the Board that This report be accepted and implemented and that these grades be certified.

In recommending to the Board that the attached list of Professional Exam B grades be certified, the Committee recommends to the Board that, retroactive to the December 1977 exams, candidates be granted credit for parts passed on September 1, 1980, unless the National Council adopts a uniform grading policy acceptable to the Western Conference of Architectural Registration Boards at its annual meeting in June 1980, which the Architectural Committee recommends after that conference. Of all the Professional Examinations given by the Board this examination is the only one of which the Board does not grant credit for parts passed. Adopting this recommendation is a step toward establishing uniform grading policies.

Respectfully submitted,

Kemper Goodwin

Kemper Goodwin, Chairman

RESULTS OF
ARCHITECTS' PROFESSIONAL EXAMINATION
DECEMBER 1979

NO.	NAME	GRADE	NO.	NAME	GRADE
* 79-631	Ahern, Lawrence Patrick	Pass	78-539	Guzman, Gabriel Fernando	Fail
77-525	Al-Alawi, Kamal	Fail	* 79-348	Hallmark, Michael Lee	Pass
79-507	Anderson, Clark Lynn	Pass	* 78-348	Hankins, James R. (Jr.)	Pass
* 79-546	Babcock, Andrew Rowe	Pass	79-632	Hardenbrook, Robert Vance	Fail
* 79-693	Bellamy, Karen Esther	Pass	78-270	Heft, Barden Randolph	Fail
79-300	Benedict, Peter Anthony	Fail	* 79-404	Higgins, Joseph Heber	Pass
71-414	Biddle, Warren Robert	Fail	78-217	Hryb, Roman John	Fail
79-610	Boehm, David P.	Pass	79-30	Islam, Md. Rafiqui	Pass
79-694	Bowen, Luke Reynolds	Fail	* 78-118	Jonas, Glenn Allen	Pass
79-611	Bridgers, Carl Hamrick	Fail	79-233	Kabobel, Gary Alexander	Fail
* 79-255	Brigham, Stephen King	Pass	79-592	Kilbane, Terry Lee	Fail
* 79-134	Brownfield, Ronald Wayne	Pass	71-318	Kopecek, Josef Robert	Fail
* 79-256	Carr, John David	Pass	78-431	Kovacs, Laszlo	Fail
* 79-257	Carson, Christopher W.	Pass	* 77-512	Kuzmik, Michael Lee	Pass
78-221	Chapman, Raymond E.	Fail	76-116	Lewis, Robert Ansley, Jr.	Fail
75-460	Cheung, Douglas Chi-Hung	Fail	79-707	Lindquist, Bruce Lowell	Fail
79-695	Chipman, John Albert	Fail	72-441	Lovchik, Lily Wong	Fail
77-528	Colosa, Joseph Thomas	Fail	74-538	Lucero, Edward Horta	Fail
79-223	Cortez, Ernest Louis	Fail	* 78-527	Marcellus, Russell P.	Pass
* 78-565	Cox, Brian Douglas	Pass	78-723	Marino, Valentino	Fail
79-706	Diebold, David Alan	Fail	79-647	Mason, David John	Fail
* 76-396	Dong, Tillie	Pass	78-491	Mayoras, Douglas Allen	Pass
* 79-176	Dincecco, Robert J.	Pass	78-470	Mazziotti, Vincent G.	Pass
77-180	Dooling, David Paul	Fail	79-142	Miles, Brian Dale	Pass
77-539	Drakulich, Donald M.	Fail	* 79-304	Mittelstaedt, Jan Michael	Pass
74-499	Duncan, Clarence Douglas	Fail	77-154	Mogro, Carlos	Fail
78-1	Eaton, Bruce Edward	Pass	71-391	Moos, Stephen Leon	Fail
79-347	Ellsworth, Paula Mary	Fail	78-471	Nickerson, Edwin Walter	Pass
* 79-659	Fairbourn, Richard D.	Pass	* 79-660	Niemiec, Leonard Roy	Pass
* 79-526	Fife, Dana Richard	Pass	* 79-679	Nobles, Carl Freiler	Pass
72-135	Fraunhoffer, Herman, Jr.	Fail	* 79-633	Nord, William Charles, IV	Pass
79-696	Frost, Marc Cahill	Pass	79-709	Ortega, David Damian	Pass
* 78-538	Giachetti, Richard E.	Pass	79-275	Paul, Eric Bradford	Pass

NO.	NAME	GRADE
73-212	Podolsky, William I.	Fail
77-224	Pujadas, Jose	Fail
79-225	Radoccia, Reynold Paul	Fail
79-634	Reich, Thomas Steven	Pass
79-681	Reid, Robert Edward	Fail
79-661	Reigle, Richard Michael	Pass
* 79-414	Rinck, Michael Stephen	Pass
79-682	Rollings, Debra Anne	Fail
77-554	Rowlands, Russell Dewey	Fail
79-180	Rumel, Scott Sorensen	Pass
* 79-190	Saba, Gary Morris	Pass
* 78-494	Sakellar, Constantine N.	Pass
79-684	Sandoval, Robert Louis	Fail
* 79-547	Sedor, Stephen Eugene	Pass
79-619	Siek, William Vincent	Pass
79-618	Simko, Eugene Allen, Jr.	Fail
78-545	Sipos, Henry Louis	Pass
76-353	Slatewala, Abdul A.	Fail
* 79-430	Smith, Cheryl Denise	Pass
79-685	Stroh, Douglas Donald	Pass
79-386	Sydnor, Douglas Bryan	Fail
* 78-727	Tibsherany, George Fred	Pass
76-443	Trice, Glenn Eugene	Pass
78-548	Tudan, Jonathan Alan	Pass
* 79-697	Uhler, Michael Francis	Pass
* 79-498	Umber, Dennis C.	Pass
79-549	Wang, Yu An	Fail
79-686	Wilson, David Paul	Fail
79-648	Wood, May Belle	Pass
* 78-531	Woods, Fred Edwin	Pass
* 79-550	Younkin, Al Edward	Pass

DECISION ENGINEERING

Rehrardt, Robert W., Jr.	79-729
Edley, Thomas Frederick	79-444
Fenster, Larry Charles	79-479
McNeal, Donald Richard	79-704
Wickert, Robert Edward	79-718

MECHANICAL ENGINEERING

Askeham, David Clark	79-696
Del Rio, Francisco, Jr.	79-719
Geodryllias, George Curtis	79-774
Gohse, Janet Bell	79-774
King, Jerry G.	79-785
Minick, Kurt R.	79-697
Sandahl, Lee Francis	79-734
Snyder, James Robert	79-772

STRUCTURAL ENGINEERING

Kluegel, John William	79-676
Clark, Thomas Henry	79-692

LAND SURVEYING

Conroy, Vito Joseph	79-624
Anderson, Gary Thomas	79-678

January 25, 1980

TO: Board of Technical Registration
 FROM: Engineering Evaluation Committee
 SUBJECT: Evaluation of Applicants

The Engineering Evaluation Committee met January 17-18, 1980 in Phoenix, Arizona with the following members present:

Jan. 17 John B. Trimble, R. A. Jimenez
 Jan. 18 Rod J. Gomez

The Committee reviewed the following applicants and makes to the Board the recommendations shown regarding registration in Arizona.

- The following applicants, having appeared before the Committee and having satisfied the Committee that they are fully qualified to receive registration in Arizona under A.R.S. 32-123.A and A.R.S. 32-126, are hereby recommended for registration:

CIVIL ENGINEERING

Anderson, Clifford Eric	79-722
Butier, Mark M.	79-758
Cain, Christopher Bentley	79-784
Caruso, Vito Joseph	79-590
Caywood, James Alexander III	79-484
Cole, Robert Wallace	79-622
Ehasz, Joseph L.	79-470
Greiner, James Arnold	79-665
Juday, David Allan	79-666
Lagisquet, Jacques Francois	79-640
Leach, Richard Joseph	79-732
Lockwood, Charles Morey	79-669
Mead, William Charles	79-720
Palma, Jose J.	79-502
Parham, Glenn C.	79-577
Skager, Paul Steven	79-638
Tinto, James Halliday	79-690
Wadell, Robert Paul	79-637
Watanabe, Kenneth Kenji	79-653
Wood, John I., III	79-369
Wootton, Thomas Paul	79-745
Wright, Robert Lemoine	79-627

SANITARY ENGINEERING

Fisher, Lawrence Russell, Jr.	79-586
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ELECTRICAL ENGINEERING

Behrendt, Robert V., Jr.	79-728
Edler, Thomas Frederick	79-444
Fenster, Larry Charles	79-629
McCabe, Donald Richard	79-766
Witter, Robert Edward	79-719

MECHANICAL ENGINEERING

Ackerman, David Clark	79-606
Del Rio, Francisco, Jr.	79-715
Demetrulias, George Chris	79-676
Goham, James Emil	79-764
King, Jerry C.	79-765
Rieske, Kent R.	79-699
Sandahl, Lee Francis	79-384
Snyder, James Robert	79-718

STRUCTURAL ENGINEERING

Alving, John William	79-770
Clark, Thomas Henry	79-560

LAND SURVEYING

Caruso, Vito Joseph	79-589
Sanderson, Gary Thomas	79-579

2. The following applicants, having appeared before the Committee for a personal audience interview, need demonstration of additional evidence of their proficiency (A.R.S. 32-123.B), and it is recommended to the Board that these individuals be held for examinations as indicated:

CIVIL ENGINEERING

Logue, David C.	79-755	Parts 1,2,3,4
Lyons, William James	79-756	Parts 3,4
Robertson, James B.	79-773	Parts 1,2,3,4
Russell, James E., Jr.	79-726	Parts 3,4
Webb, Larry Douglas	79-692	Parts 3,4

ELECTRICAL ENGINEERING

Murphy, David Edward	79-382	Parts 3,4
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MECHANICAL ENGINEERING

* Deichmann, A. Michael	79-763	Parts 3,4
Kent, Gary Edward	79-716	Parts 1,2,3,4
Perkins, Gary Russell	79-779	Parts 3,4

MINING ENGINEERING

Avary, Edwin R.	79-731	Parts 3,4
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SANITARY ENGINEERING

Moore, Don Allen	79-721	Parts 3,4
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STRUCTURAL ENGINEERING

Fowlkes, Ricky T.	79-788	Parts 5,6
Kim, Young Hwan	79-702	Parts 5,6
Kory, Alexander Joseph, Jr.	79-655	Parts 5,6

GEOLOGY

Ericson, Wayne Allan	79-617	Parts 1,2,3,4
Patton, Thomas Charles	79-729	Parts 1,2,3,4

LAND SURVEYING

Acosta, Alex	79-668	Parts 1,2,3,4
Kalal, Thomas Leslie	79-705	Parts 1,2,3,4
Panchalk, John	79-663	Parts 1,2,3,4

3. The following applicants, having been advised of additional requirements required for registration and having failed to respond, are hereby recommended for denial of their application for failure to complete the requirements of the board within a reasonable length of time:

Blackmon, Julius Lemay	78-598 - Civil Engineer
Wright, C. Douglas	79-122 - Civil Engineer

* See Item 6 of this report.

- 4. The Committee reviewed the files of the following applicants; and having determined that all requirements for in-training registration have been completed, recommends the following applicants for in-training registration:

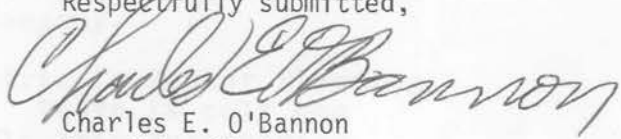
ENGINEER-IN-TRAINING

Furstenau, Devon	79-40
Gayle, William Rimmerman	79-117
Keegan, David James	77-118
Stamps, Michael Howard	78-147
Talavera, Mardonio M.	78-118

- 5. The following applicants have civil engineering registrations in other states and are applying for registration in Arizona by comity. All have virtually all their experience in structural engineering and intend to practice structural engineering, primarily associated with metal building manufacturers, timber manufacturers, truss manufacturers. The Committee forwards these applications without recommendation to the Board for evaluation and decision as to whether the applications should be in structural engineering rather than civil engineering.

Cheyne, Wilroy Gordon	79-704
George, Leonard Francis	79-703
Hango, Kenneth A.	79-670
Orrison, Gerald K.	79-673
Parco, Delfin C.	79-556
Wood, Norman Douglas	79-639

- 6. Deichmann, A. Michael, 79-763, Mechanical Engineer
Committee recommends holding Mr. Deichmann for Parts 3,4 of Mechanical Engineering exam. Mr. Deichmann wishes to appeal the Committee recommendation. (Letter is attached to this report.)
- 7. The Committee discussed two papers submitted by Sam Caruso concerning comity and civil engineering/land surveying, and recommends that the Board refer these to the Rules and By-Laws Committee for study and report at the March 7, 1980 board meeting.

Respectfully submitted,

 Charles E. O'Bannon
 Committee Chairman

January 19, 1980

Mr. F. Mark Edson
Executive Director
Arizona State Board of
Technical Registration
1645 West Jefferson, Suite 315
Phoenix, Arizona 85007

Gentlemen:

From my personal audience with the Evaluation Committee of the Board, I understand their recommendation will be not to approve my registration as a Mechanical Engineer without examinations.

Although they feel my qualifications are very good their rejection is based on my lack of final examinations, when I obtained my P.E. license in Missouri, in 1958.

I wish to appeal their decision and request time at the Board of Technical Registration's March 7th meeting to further state my case.

Briefly my appeal is based on the following:

1. The Arizona Registration code does not cover my field of expertise, which would be Manufacturing Engineering (recognized by the National Council of Engineering Examiners) so I must file under the Mechanical Engineering category.
2. Since obtaining my Missouri P.E. I have an additional 20 years of experience, of which 12 years is in Arizona.
3. My experience of 27 years in manufacturing include companies which are leaders in their fields: General Motors and Western Electric Company.
4. My position with Western Electric is Senior Planning Engineer (12 years standing). There is only one higher level in the Western Electric Engineering Classification Plan.

I was transferred to Arizona in 1968 as part of a Task Force to implement the start up of the Phoenix Plant. Our success is shown on the attached sheet which shows the effect on the Arizona economy of \$172 million, in purchase of supplies only.

- 5. One of my most satisfying and effective assignments was to reduce the operator noise exposure in our wire drawing operation. This effort was to clear a OSHA citation and the citation was removed because of my engineering. I am a member of a company wide Noise Reduction Committee.
- 6. My 30 years in Engineering has allowed me to develop the judgment to know what I can do, where I need help and what problems I should not work on. A case point is for me to relearn Thermodynamics after 30 years, to take the Mechanical Engineer's exam, I have no interest and no expertise in this field. Although I could relearn the subject, I would not offer my services to the public in this field.
- 7. The purpose of registration "is to provide for the safety, health and welfare of the public". I feel my expertise in manufacturing should be available to the public and will aid in the development of a stronger manufacturing economy in Arizona.

Thanking you in advance, for your cooperation in this matter.

Sincerely,

A. Michael Deichmann

A. Michael Deichmann

1/19/80

AMD:kt

Enclosure

WESTERN ELECTRIC COMPANY,
INCORPORATED
PURCHASING AND TRANSPORTATION DIVISION

PA-101
ARIZONA

ARIZONA

PAYMENTS TO SUPPLIERS DURING 1978*	\$172,764,534
TO SMALL BUSINESS SUPPLIERS	\$ 14,438,507 / 8.4%
NUMBER OF SUPPLIERS	662
SMALL BUSINESS SUPPLIERS	607 / 91.7%
NUMBER OF TOWNS IN WHICH SUPPLIERS ARE LOCATED	34

*DOES NOT REFLECT PAYMENTS FOR ITEMS MANUFACTURED IN THIS STATE WHICH ARE PURCHASED FROM A DISTRIBUTOR, JOBBER OR SALES AGENCY LOCATED IN ANOTHER STATE.

SUMMARY BY TOWNS

TOWN	NO. OF SUPPLIERS	TOTAL PAYMENTS
AJO	2	\$ 12,062,839
AVONDALE	1	5,544
CASA GRANDE	2	3,165
CHANDLER	2	1,172,045
COOLIDGE	2	16,524
DOUGLAS	1	140
ELOY	1	1
FLAGSTAFF	8	564,249
GILA BEND	1	193
GLENDALE	13	281,546
GLOBE	1	11,394
GOODYEAR	1	243
HAYDEN	1	4,734,000
HOLBROOK	2	682
KINGMAN	1	169
MESA	8	138,522
MIAMI	2	47,011,179
MISSION	1	9,469,000
NOGALES	1	72
PAYSON	2	14,604
PHOENIX	493	16,192,658
PIMA	2	4,819,967
PRESCOTT	3	60,284
SAFFORD	3	5,544
SAHUPIIT	1	2,776
SAN MANUEL	2	73,650,523
SCOTTSDALE	21	140,929
SIERRA VISTA	2	2,385
SUN CITY	1	349
SUPERIOR	1	461
TEMPE	34	465,006
TUCSON	39	875,243
WICKENBURG	1	1,053,839
YUMA	6	8,459

TOWN	NO. OF SUPPLIERS	TOTAL PAYMENTS
Larson, Thomas A.		79-739
Parsons, Edward		79-800
Rosen, Richard		79-774
Rushby, Bernard Delbert		79-783
Rushby, James Patrick		79-802
Park, Roger Lowell		79-771
Torvik, Stevan Winfred		79-814
Williamson, Richard Scott		79-808
<u>MECHANICAL ENGINEERING</u>		
Sedlock, William Edward		79-782
Van, Greg		79-791
Spradell, John Joseph		79-804
Karamanidis, Edward Joseph		79-823
<u>ELECTRICAL ENGINEERING</u>		
Hayden, James Delton		79-760
<u>STRUCTURAL ENGINEERING</u>		
Harlan, Edward Anthony (Dr.)		80-300

continued...

February 21, 1980

TO: Board of Technical Registration
 FROM: Engineering Evaluation Committee
 SUBJECT: EVALUATION OF APPLICANTS

The Engineering Evaluation Committee met February 14-15, 1980 in Phoenix, Arizona with the following members present:

Feb. 14 R. J. Jimenez, John B. Trimble
 Feb. 15 Charles E. O'Bannon, William S. Gookin

The Committee reviewed the following applicants and makes to the Board the recommendations shown regarding registration in Arizona.

- The following applicants, having appeared before the Committee and having satisfied the Committee that they are fully qualified to receive registration in Arizona under A.R.S. 32-123.A and A.R.S. 32-126, are hereby recommended for registration:

AGRICULTURAL ENGINEERING

Frevert, Richard K. 80-040

CIVIL ENGINEERING

Ballinger, Charles William 80-004
 Bischoff, John Alvin 79-604
 Bladykas, Francis 79-754
 Garber, Lewis W. (Jr.) 80-032
 Gerometta, John William 79-780
 Glos, George H. 79-749
 Hamid, Akhtar 79-514
 Kersh, Ronald Lee 79-785
 Kirk, Bernard J. 80-028

GEOLOGICAL ENGINEERING

Knight, F. James 79-747

MECHANICAL ENGINEERING

Bishop, Douglas Steven 79-818
 Coyle, Patrick Doff 79-826
 Gessling, Robert Francis 79-738

ELECTRICAL ENGINEERING

Lawrence, Louis A. 79-778
 Palka, Adam Albin 79-814
 Sarkisian, Noray 79-832

CIVIL ENGINEERING (contd)

Larson, Thomas A. 79-799
 Markeset, Edvard 79-882
 Mason, Richard 79-774
 Murphy, Bernard Delbert 79-787
 Murphy, James Patrick 79-242
 Park, Roger Lowell 80-031
 Tanis, Steven Winfred 80-014
 Williamson, Richard Scott 80-009

MECHANICAL ENGINEERING

Sedlock, William Edward 79-742
 Sen, Utpal 79-793
 Spinelli, John Joseph 79-808
 Waranowicz, Edward Joseph 80-033

NUCLEAR ENGINEERING

Neyman, James Nelson 79-750

STRUCTURAL ENGINEERING

Hanlon, Edward Anthony (Jr.) 80-020

continued...

LAND SURVEYING

Berry, Leonard D.	79-440
Berry, Michael Sliney	79-599
Johnson, Bobby G.	79-782
Murphy, James Patrick	79-243
Murphy, John P.	80-008

2. The following applicants, having appeared before the Committee for a personal audience interview, need demonstration of additional evidence of their proficiency (A.R.S. 32-123.B), and it is recommended to the Board that these individuals be held for examinations as indicated:

CIVIL ENGINEERING

Barrass, Gary C.	80-061	Parts 3 & 4
Gyongya, George Edwin	79-796	Parts 3 & 4
Harrel, Randy L.	79-817	Parts 3 & 4
Inman, Gregg Addison	79-819	Parts 1,2,3,4
Lodge, Thomas Christopher III	79-797	Parts 3 & 4
Martinez, Ronald Felix	80-021	Parts 3 & 4
Newman, Benjamin Ernest	80-001	Parts 3 & 4
Novak, Zdenek	79-724	Parts 3 & 4
Pekala, Michael Paul	80-030	Parts 1,2,3,4
Van Loo, E. Thompson	80-012	Parts 3 & 4
Walsh, Timothy Joseph	79-789	Parts 3 & 4
Wood, Darrel E.	80-062	Parts 3 & 4

ELECTRICAL ENGINEERING

Atwell, Paul N.	80-072	Parts 3 & 4
Echols, Jack Dennis	79-727	Parts 1,2,3,4
Handzel, James M.	79-677	Parts 1,2,3,4
LaRose, Thomas William	79-820	Parts 3 & 4
Ozuna, Frank Serna, Jr.	79-564	Parts 1,2,3,4
Taylor, Ronald Lloyd	79-809	Parts 3 & 4
Tomek, Gene Edwin	79-794	Parts 3 & 4

MECHANICAL ENGINEERING

Barney, Charles John	80-051	Parts 3 & 4
Burgess, Donald Ray	79-777	Parts 1,2,3,4
Greenwood, William Hartley	79-645	Parts 3 & 4
Martin, Raymond A.	79-807	Parts 3 & 4
Schembri, Philip A.	79-828	Parts 3 & 4

STRUCTURAL ENGINEERING

Hunnes, Robert Burton	80-054	Parts 5 & 6
Neaves, Robert Yates (Sr.)	79-650	Parts 5 & 6
O'Neill, Dennis Michael	79-827	Parts 1,2,5,6
Varga, Joseph Edwin	79-829	Parts 5 & 6

continued...

3. The following applicants appeared before the Committee, and it was determined that their applications should be denied for lack of experience of a character satisfactory to the Board under A.R.S. 32-122.A. with a refund as shown:

Glos, George H.	79-748	Geological Engineer	\$15.00
Lindmuir, Eric	79-581	Civil Engineer	\$15.00

4. The following applicant, having been advised of additional requirements for registration and having failed to respond, is hereby recommended for denial of his application for failure to complete the requirements of the Board within a reasonable length of time:

Bever, Richard Joseph 79-170 Land Surveyor

5. The Committee reviewed the files of the following applicants; and having determined that all requirements for in-training registration have been completed, recommends the following applicants for in-training registration:

Broughton, Thomas Magruder	79-5
Goodall, Ralph Louis	79-65
Heard, Robert Eugene (III)	76-144
Johnson, Richard M.	79-75
Knatz, Mark Charles	79-22
Lorentz, David R.	78-241
Mervin, Jeff	79-85
Romer, Andrew Ellis	79-29
West, David J.	79-102

6. Baldwin, John Frank, 79-751 - Structural Engineer

The committee refers this application to the Board to determine if applicant has qualifications to be examined in Structural Engineering, Parts 5 and 6. He holds Arizona registration in Civil Engineering, No. 8412.

Mr. Baldwin will appear for review of adverse committee finding, based on his brief application and personal audience.

7. Minichello, Thomas Joseph, 79-106 - Civil Engineer

Mr. Minichello appeared from New Hampshire at October meeting, failed code exam twice, was re-scheduled for personal audience in January, and failed to come. The Committee recommends that the Board hold him for Parts 3 and 4 and code exam to be proctored by New Hampshire Board, and that personal audience be waived.

8. Loomis, R. Thomas - Sanitary Engineer

Application was returned by Executive Director because of insufficient experience in Sanitary Engineering and experience previously applied to registration as a Civil Engineer in December. The Committee reviewed the matter and concurred with the Executive Director's action.

continued...

9. The Committee considered requests for Board opinions. Recommendations are attached.

- A. Harvey Smith Page
- B. Robert Hall Page
- C. Richard Lundin Page

10-101	Gale, Ed							
10-102	Gannon, ...							2 (Referd)
10-103	Gibson, ...	Ex	Ex	F	F			2.4
10-104	Gibson, ...	Ex	Ex	F	F			
10-105	Gibson, ...	Ex	Ex	F	F			2.4
10-106	Gibson, ...	Ex	Ex	F	F			2.4
10-107	Gibson, ...	Ex	Ex	F	F			2.4
10-108	Gibson, ...	Ex	Ex	F	F			2.4
10-109	Gibson, ...	Ex	Ex	F	F			2.4
10-110	Gibson, ...	Ex	Ex	F	F			2.4
10-111	Gibson, ...	Ex	Ex	F	F			2.4
10-112	Gibson, ...	Ex	Ex	F	F			2.4
10-113	Gibson, ...	Ex	Ex	F	F			2.4
10-114	Gibson, ...	Ex	Ex	F	F			2.4
10-115	Gibson, ...	Ex	Ex	F	F			2.4
10-116	Gibson, ...	Ex	Ex	F	F			2.4
10-117	Gibson, ...	Ex	Ex	F	F			2.4
10-118	Gibson, ...	Ex	Ex	F	F			2.4
10-119	Gibson, ...	Ex	Ex	F	F			2.4
10-120	Gibson, ...	Ex	Ex	F	F			2.4
10-121	Gibson, ...	Ex	Ex	F	F			2.4
10-122	Gibson, ...	Ex	Ex	F	F			2.4
10-123	Gibson, ...	Ex	Ex	F	F			2.4
10-124	Gibson, ...	Ex	Ex	F	F			2.4
10-125	Gibson, ...	Ex	Ex	F	F			2.4
10-126	Gibson, ...	Ex	Ex	F	F			2.4
10-127	Gibson, ...	Ex	Ex	F	F			2.4
10-128	Gibson, ...	Ex	Ex	F	F			2.4
10-129	Gibson, ...	Ex	Ex	F	F			2.4
10-130	Gibson, ...	Ex	Ex	F	F			2.4
10-131	Gibson, ...	Ex	Ex	F	F			2.4
10-132	Gibson, ...	Ex	Ex	F	F			2.4
10-133	Gibson, ...	Ex	Ex	F	F			2.4
10-134	Gibson, ...	Ex	Ex	F	F			2.4
10-135	Gibson, ...	Ex	Ex	F	F			2.4
10-136	Gibson, ...	Ex	Ex	F	F			2.4
10-137	Gibson, ...	Ex	Ex	F	F			2.4
10-138	Gibson, ...	Ex	Ex	F	F			2.4
10-139	Gibson, ...	Ex	Ex	F	F			2.4
10-140	Gibson, ...	Ex	Ex	F	F			2.4
10-141	Gibson, ...	Ex	Ex	F	F			2.4
10-142	Gibson, ...	Ex	Ex	F	F			2.4
10-143	Gibson, ...	Ex	Ex	F	F			2.4
10-144	Gibson, ...	Ex	Ex	F	F			2.4
10-145	Gibson, ...	Ex	Ex	F	F			2.4
10-146	Gibson, ...	Ex	Ex	F	F			2.4
10-147	Gibson, ...	Ex	Ex	F	F			2.4
10-148	Gibson, ...	Ex	Ex	F	F			2.4
10-149	Gibson, ...	Ex	Ex	F	F			2.4
10-150	Gibson, ...	Ex	Ex	F	F			2.4

Respectfully submitted,

Charles E. O'Bannon
Committee Chairman

EXAMINATION RESULTS - NOVEMBER 1979

04401

	PART 1	PART 2	PART 3	PART 4	PASSED
<u>ASSAYING</u>					
* 79-490 Knott, Ronnie Doyle	P	P	Ex	Ex	1,2
<u>CHEMICAL ENGINEERING</u>					
* 74-268 Cole, Edward Arthur	Ex	Ex	P	P	4
76-193 Hammon, Lyndon Ray	P	P	P	P	2 (Record)
* 79-213 Nebeker, Neil J.	Ex	Ex	P	P	3,4
76-119 Roberts, S. Von	Ex	Ex	F	F	
* 78-72 Travis, Stephen R.	Ex	Ex	P	P	3
* 75-558 Villemez, George Raymond	Ex	Ex	P	P	3,4
<u>CIVIL ENGINEERING</u>					
78-372 Berkovitz, Barry Charles	P	P	F	P	
70-58 Bertella, Guido Joseph	P	F	P	P	
78-435 Berthot, Charles A.	Ex	Ex	F	F	
* 79-45 Brenner, Ronald Lloyd	P	P	P	P	1,2,3,4
* 79-315 Bucher, James D.	Ex	Ex	P	P	3,4
76-585 Buckley, Terry Vernon	F	P	F	F	
* 79-537 Burm, Charles Barrett	Ex	Ex	P	P	3,4
* 79-467 Callow, Thomas Edwin	Ex	Ex	P	P	3,4
76-508 Chen, James Shu Chih	Ex	Ex	F	P	
79-542 Clevenger, French Lovell	Ex	Ex	F	P	4
70-311 Dalrymple, Guerry M.	F	F	F	P	
78-697 Danelowitz, Mark Xavier	F	F	F	F	
* 79-555 Dibble, Kent Merrill	Ex	Ex	P	P	3,4
78-691 DiSanza, Edmund Frank	Ex	Ex	F	P	
79-210 Eberline, Rex L.	Ex	Ex	F	P	4
* 78-233 Edler, Floyd Charles	Ex	Ex	P	P	4
77-118 Fleet, Fred Everett	F	F	P	P	4
* 78-210 Fulton, James	Ex	Ex	P	P	3,4
75-354 Funderburk, Harvey Alexander	F	P	P	P	
* 78-558 Gahl, Robert Allen	Ex	Ex	P	P	3
* 79-393 Gallagher, Roger William	Ex	Ex	P	P	3,4
* 78-262 Gappinger, Elliott Dale	Ex	Ex	P	P	4
79-4 Gasper, Jerome Gerald	Ex	Ex	F	P	4
* 79-167 Grandy, Gordon Lee	Ex	Ex	P	P	3,4

	PART 1	PART 2	PART 3	PART 4	PASSED
<u>CIVIL ENGINEERING (contd)</u>					
* 79-64 Haire, Steven Alexander	Ex	Ex	P	P	3,4
* 78-690 Higgins, William J.	Ex	Ex	P	P	3
* 79-615 Hopkins, Louie Baus	Ex	Ex	P	P	3,4
79-483 Hutson, Ronald Charles	F	F	F	F	
78-557 Inti, Ramakrishna	Ex	Ex	F	P	
* 79-434 Keegan, John Charles	Ex	Ex	P	P	3,4
69-270 Kirdar, Edib	Ex	Ex	F	P	
* 78-663 Kitt, John Andrew	Ex	Ex	P	P	3
* 78-43 Laakso, Douglas Gordon	P	P	P	P	1
* 78-699 Lawrence, Becky Sayre	Ex	Ex	P	P	3,4
* 78-633 Leimkuehler, William H.	Ex	Ex	P	P	3,4
* 79-487 Lemon, James David	Ex	Ex	P	P	3,4
79-422 Lively, Norman Robert	Ex	Ex	P	F	3
79-394 McLaughlin, Timothy Amos	Ex	Ex	F	P	4
* 78-387 Maldonado, Larry Marvin	Ex	Ex	P	P	4
75-231 Masowdi, Amir M.	P	F	P	P	
* 79-515 Matkin, Ronald Penrose	Ex	Ex	P	P	3,4
76-103 Milicevic, Novica	F	P	F	F	
75-421 Nixon, Charles Gilbert	P	F	P	P	
* 79-469 Ott, Douglas Charles	Ex	Ex	P	P	3,4
* 78-643 Rice, Robert Reven	Ex	Ex	P	P	4
* 79-399 Rolston, David Wayne	Ex	Ex	P	P	3,4
* 79-539 Roman, Joseph Frank	Ex	Ex	P	P	3,4
76-566 Savicky, John Lee	Ex	Ex	P	F	
79-519 Schmitt, Thomas George	Ex	Ex	P	F	3
79-423 Silva, Santiago J.	Ex	Ex	F	F	
* 79-486 Smith, William Dean	Ex	Ex	P	P	3,4
78-308 Spain, James Clark	Ex	Ex	F	P	
79-328 Stansel, John William	F	F	F	F	
79-576 Starkenburg, Wesley John	Ex	Ex	P	F	3
* 79-559 Stephens, David Keith	Ex	Ex	3	4	3,4
74-392 Tepley, George J.	F	F	P	P	
* 79-475 Thomas, Robert J.	Ex	Ex	P	P	3,4
* 79-557 Thompson, William Howard	Ex	Ex	P	P	3,4

	PART 1	PART 2	PART 3	PART 4	PASSED	
<u>CIVIL ENGINEERING (Contd)</u>						
* 79-5	Tychowski, Christopher Roman	Ex	Ex	P	P	3,4
79-518	Vallelonga, Robert Eugene	Ex	Ex	P	F	3
* 79-540	Weaver, James E.	Ex	Ex	P	P	3,4
76-320	Wilkie, Paul Albert	F	P	F	P	
78-345	Wright, William Anthony	F	F	F	F	
76-407	Yeager, Larry Richard	Ex	Ex	P	F	
78-560	Zicafoose, Robert D.	F	F	F	P	
<u>ELECTRICAL ENGINEERING</u>						
75-403	Ahmed, Najmuddin	Ex	Ex	P	F	
79-400	Bagby, Barnabas Paul	Ex	Ex	F	F	
* 79-376	Ballis, Robert James	Ex	Ex	P	P	3,4
78-485	Barnes, Paul Oliver	Ex	Ex	F	F	
78-664	Bloomfield, A. Kent	F	F	F	F	
78-393	Brown, Lewis E.	Ex	Ex	F	P	
78-625	Brown, Maurice Churchill	P	P	P	F	
75-185	Campbell, William	P	F	P	P	
78-320	Cooper, Marvin Glynn	F	F	F	F	
* 78-537	DeCorse, Charles F.	Ex	Ex	P	P	4
77-407	Greene, Jack	Ex	Ex	F	F	
74-669	Haines, Robert Thomas	F	P	P	P	
76-578	Hawkins, Dan J.	Ex	Ex	P	F	3
* 79-493	Hunt, James Ray	Ex	Ex	P	P	3,4
* 79-282	Jones, Joe Carless	Ex	Ex	P	P	3,4
* 78-246	Jones, Kenneth Joseph	Ex	Ex	P	P	3
79-85	Kenyon, Scott Alan	Ex	Ex	F	P	4
* 77-562	Krueger, Alan John	P	P	P	P	4
79-381	Lawrence, William (Jr.)	Ex	Ex	P	F	3
* 79-525	Macias, Antonio	Ex	Ex	P	P	3,4
70-240	Martinez, Joseph B.	Ex	Ex	F	F	
78-724	Pearson, Jaryl Michael	Ex	Ex	P	F	
79-435	Peters, Herbert	Ex	Ex	F	F	
* 78-667	Plumb, David Carlton	Ex	Ex	P	P	4
76-536	Reiter, William Anthony	Ex	Ex	F	P	
* 78-517	Rex, Michael Buford	P	P	P	P	1,2,3,4
* 79-497	Ryan, Franklin Dale	P	P	P	P	1,2,3,4
79-181	Seigel, Jeffrey William	F	F	P	P	3,4
* 79-412	Thatcher, Carroll D.	Ex	Ex	P	P	3,4
* 79-27	Voss, George W.	Ex	Ex	P	P	4

	PART 1	PART 2	PART 3	PART 4	PASSED
<u>GEOLOGICAL ENGINEERING</u>					
79-130	Langland, Leo Lee	F	F	F	F
* 79-104	Taylor, Johnnie Dale	Ex	Ex	P	P 3,4
* 79-505	Tognoni, David Quentin	Ex	Ex	P	P 3,4
70-226	Youell, James Robert	P	F	P	P
<u>GEOPHYSICAL ENGINEERING</u>					
* 79-283	Dortch, Willis Reeves	Ex	Ex	P	P 3,4
<u>HIGHWAY ENGINEERING</u>					
74-166	Blizzard, Max Sharon	F	F	F	P
74-271	Bloom, Norman Kenneth	P	F	F	P
76-291	Boren, Ervin Lester	F	P	F	P
* 76-151	Foster, Thomas Daniel	P	P	P	P 1
73-44	Key, Orin William	P	F	P	P
74-173	Lay, George John	P	F	P	P
70-413	Patty, John Harlan	F	P	P	P
73-290	Snyder, Jack Duane, Sr.	F	P	P	P
* 76-85	Wright, Edward Dickinson	P	P	P	P 1
<u>INDUSTRIAL ENGINEERING</u>					
78-18	Kenna, LeRoy Austin	Ex	Ex	F	F
<u>MECHANICAL ENGINEERING</u>					
79-375	Amols, Lenard	Ex	Ex	F	P 4
79-23	Barnes, Phillip H.	Ex	Ex	F	F
* 79-55	Behee, Ronald Dennis	P	P	P	P 1,2,3,4
* 79-401	Conder, Michael William	Ex	Ex	P	P 3,4
77-655	Drummond, David Thomas	P	F	F	F 1
79-178	Felts, Donald Ralph	Ex	Ex	P	F 3
* 79-77	Fjeld, Gordon Fred	P	P	P	P 1,2,3,4
78-130	Hannifin, Edmund Normand	F	F	P	P
* 79-340	Henwood, William Arthur	Ex	Ex	P	P 3,4
72-599	Hoffarth, Richard C.	Ex	Ex	F	P
* 79-571	Hollars, Russell Lowell	Ex	Ex	P	P 3,4
78-722	Hunsaker, Jan L.	Ex	Ex	F	P 4
* 78-117	Jernberg, Evert Herman	Ex	Ex	P	P 4
* 79-544	Johnson, Bruce Robert	P	P	P	P 1,2,3,4

		PART 1	PART 2	PART 3	PART 4	PASSED
<u>MECHANICAL ENGINEERING (contd)</u>						
78-16	Lamson, Edward William (Jr.)	Ex	Ex	F	F	
79-591	Langerman, Patrick	Ex	Ex	P	F	3
* 79-460	Lantrip, Morgan Wayne	P	P	P	P	1,2,3,4
* 79-179	Lloyd, Harry James	P	P	P	P	1,2,3,4
* 78-422	Lungren, Randolph William	Ex	Ex	P	P	3,4
70-432	Miller, Marion Edward	F	F	P	P	
* 78-215	Patel, Dilipkumar Nathubhai	Ex	Ex	P	P	3,4
* 78-628	Peterson, Mark Jon	Ex	Ex	P	P	4
* 79-144	Pierson, Donald Louis	P	P	P	P	1,2,3,4
* 78-424	Shepherd, Stanton Henry	Ex	Ex	P	P	3
79-512	Sim, James M. (Jr.)	Ex	Ex	F	F	
77-594	Singh, Rajinder	P	P	P	P	1,2 (Record)
79-496	Sterling, Carl D.	Ex	Ex	F	P	4
78-81	Sullivan, Paul Eugene	Ex	Ex	F	P	
77-641	Thornberry, Harold Louis (Jr.)	P	P	F	F	
79-545	Whitaker, Richard Dallas	Ex	Ex	F	P	4
* 78-302	Wilcox, Gary Paul	P	P	P	P	1,2,3
<u>METALLURGICAL ENGINEERING</u>						
79-133	Dugger, Robert Earl	P	F	F	P	1, 4
* 79-103	Keane, Joseph Michael	P	P	P	P	1,2,3,4
<u>MINING ENGINEERING</u>						
79-570	Buchella, Frank H. (Jr.)	Ex	Ex	P	F	3
* 79-194	Daemen, Jaak Joseph K.	Ex	Ex	P	P	3,4
79-335	Hodges, Paul Arthur	Ex	Ex	F	F	
79-489	Ostberg, Jerry H.	Ex	Ex	P	F	3
<u>SANITARY ENGINEERING</u>						
79-339	Crisafulli, Lawrence Michael	F	F	F	F	
* 79-114	Luiz, Francis Michael	P	P	Ex	Ex	1,2
* 79-66	Martini, Albert Dominic	Ex	Ex	P	P	3,4
77-573	Willis, Brayton Perry (Jr.)	F	F	P	F	
	Burchar, Robert Harry					
	Burchar, Marcie Lynn					
	Burden, Scott Thomas					
	Carver, Alfred Earl					
	Conrad, Robert Dwight					

	PART 3	PART 4	PART 5	PART 6	PASSED
<u>STRUCTURAL ENGINEERING</u>					
78-319 Barre, Ib	P	P	F	F	3
79-68 Bunts, John Edward	Ex	Ex	F	F	
* 79-456 Grabski, Donald Gordon	Ex	Ex	P	P	5,6
79-466 Hill, Kenneth Allan	Ex	Ex	P	F	5
* 79-538 Irwin, Thomas William (Jr.)	P	P	P	P	3,4,5,6
* 78-692 Lewis, James Walter	Ex	Ex	P	P	6
* 79-521 Offenburger, Neil Ronald	Ex	Ex	P	P	5,6
78-8 Stevens, Alexander M.	Ex	Ex	F	F	
79-323 Tomasso, Robert Joseph	Ex	Ex	P	F	5
* 78-458 Troyer, Raymond Daniel	Ex	Ex	P	P	5,6
* 78-467 Villa, Thomas Spencer	Ex	Ex	P	P	5
79-9 Whalin, Clarence H.	Ex	Ex	P	F	
* 79-74 Whitmer, Arthur H.	Ex	Ex	P	P	5,6
<u>GEOLOGY</u>					
	<u>PART 1</u>	<u>PART 2</u>	<u>PART 3</u>	<u>PART 4</u>	<u>PASSED</u>
* 78-695 Allen, Timothy Joseph	P	P	P	P	1,2,3,4
* 77-1 Armstrong, Edward J.	P	P	P	P	1,2
* 78-456 Cockle, Allen Robert	P	P	P	P	3
* 78-453 Eyrich, Henry Theodore	Ex	Ex	P	P	3,4
79-421 Small, Gary G.	Ex	Ex	F	Ex	
* 79-439 Wahl, David Edwin (Jr.)	P	P	P	P	1,2,3,4
* 79-116 Weeks, Ralph Edward	Ex	Ex	P	P	3,4
<u>LAND SURVEYING</u>					
77-290 Alcocer, Richard	P	P	P	F	
79-195 Arndt, Frederick W.	P	F	F	F	1
79-288 Attaway, Michael Patrick	P	P	P	F	1,2,3
79-365 Baker, Douglas Lee	P	F	P	P	1, 3,4
77-349 Barbee, William Francis	P	P	P	F	
* 74-419 Bowlin, Gerald Ray	P	P	P	P	4
77-467 Braden, Larry David	P	P	P	F	
77-634 Brugger, Norman Dale	P	P	P	F	
79-562 Buecher, Robert Harry†	P	P	P	F	1,2,3
79-320 Burcham, Marcie Wayne	F	F	F	F	
79-500 Burden, Scott Thomas	F	P	F	F	2
* 78-716 Burer, Alfred Earl	P	P	P	P	4
76-304 Burns, Robert Dwight	p	Ex	P	F	

		PART 1	PART 2	PART 3	PART 4	PASSED
<u>LAND SURVEYING (contd)</u>						
79-391	Christman, Gary Leroy	F	F	P	P	3,4
79-21	Collon, Patrick John	F	P	F	F	2
78-504	DePrisco, Louis P.	Ex	Ex	Ex	F	
* 78-304	DeWitt, Wendell Fred	P	P	P	P	4
* 77-257	Dryden, Charles Wyatt	Ex	Ex	P	P	4
78-176	Easter, Jack A.	Ex	Ex	DNA	DNA	
72-653	Engle, Thomas Edwin	P	P	P	F	
71-148	Garcia, Ernest G.	F	P	F	P	
74-181	Gardiner, Theodore Ernest (Sr.)	P	P	P	F	
77-598	Gingles, William James (Sr.)	P	P	P	F	
79-119	Hall, David Bruce	F	F	F	F	
76-268	Hall, James Joseph	P	P	P	F	
79-35	Hollenbach, Thomas Bernard	F	P	P	F	2,3
* 79-118	Hopps, Sigmond Timothy	P	P	P	P	1,2,3,4
76-47	Horacek, Jerry Lee	P	P	P	F	
79-221	Johnson, William Edward	P	P	F	P	1,2, 4
78-390	Jones, Arvel Ray	P	P	P	F	
79-154	Kreamer, Jeffrey Glenn	P	F	F	F	1
79-321	Lloyd, Michael Merrill	P	F	P	P	1, 3,4
* 79-476	Maakestad, Tallak Daniel	P	P	P	P	1,2,3,4
79-159	Mikolas, Myles Keith					
79-454	Miller, Robert Douglas	F	P	F	F	2
79-121	Moore, Michael Everett	F	F	F	F	
79-126	Murphy, William Joseph	F	F	F	P	4
* 77-293	Murrey, David Howard	P	P	P	P	4
* 77-109	Muth, James Edward	P	P	P	P	4
* 78-391	Naville, Patrick W.	Ex	Ex	P	P	4
78-420	Nisbet, James Duncan	Ex	Ex	Ex	DNA	
* 78-346	Nykorchuk, David John	P	P	P	P	4
79-294	O'Neal, Del	P	F	P	F	1, 3
* 79-36	Pashen, Peter John	Ex	Ex	P	P	4
74-297	Payton, Donald Wayne	F	F	F	F	
71-281	Pidskalny, Robert Andrew	P	P	P	F	
* 77-12	Prescott, Steven Reed	P	P	P	P	4
79-200	Prince, Bob N.	P	F	P	P	1, 3,4

		PART 1	PART 2	PART 3	PART 4	PASSED
<u>LAND SURVEYING (contd)</u>						
*79-117	Putt, David L.	P	P	P	P	1,2,3,4
77-57	Robberson, Allen Gregory	P	P	P	F	
*77-174	Sanchez, Carlos	P	P	P	P	4
78-174	Shelest, Timothy Charles	P	F	F	F	
72-628	Smith, Romain Harold	P	P	F	F	
78-534	Speer, Kenneth Francis	P	F	P	F	
79-124	Stairhime, Walter Lee	F	F	F	F	
79-455	Stephens, Alan Wayne	P	F	P	P	1, 3,4
78-460	Stewart, Tommie Gene	P	P	P	F	2
*79-63	Sullivan, Michael Keith	P	P	P	P	4
*78-588	Tokarski, Norbert A.	P	P	P	P	4
69-77	Torres, Alfonso	P	F	P	F	
79-523	Vasquez, Frank M.	P	P	P	F	1,2,3
79-89	Vaughn, Jay Newton	F	P	F	F	2
*79-220	Walker, Derle Devon	P	P	P	P	1,2,3,4
77-119	Whitmer, Larry Kay	P	P	P	F	
*79-91	Wier, Robin Remington	P	P	P	P	1,2,3,4
*78-715	Wisner, Norman Walter	P	P	P	P	4
	Wolfe, Stephen G.	P				
	Yule, Frederick J. (Dr.)	F				
	Causton, Kevin E.	P				
	Cutawa, Steven James	F				
	Cortez, Dennis M.J.	F				
	Dally, Michael Dennis	F				
	Dwyer, Norman A.	P				
	Hoff, Barbara Carol	P				
	Jayne, Betty	F				
	Olson, Sherrin A.	F				
	Oell, Jack George	F				
	Oell, Jerry Kenneth	F				
	Olszvik, Anthony T.	P				
	Orshkovic, Michael	P				
	Parriott, Mark E.	F				
	Reinhardt, Robert Kenneth	F				
	Talbott, Suzanne C.H.	F				
	Samson, Thomas William	F				
	Smith, Richard Lee	F				
	Schwartz, Arthur Joseph III	P				
	Slade, David A.	P				
	Trish, Kenneth L.	P				
	Wiley, Donald C.	F				
	Wertz, Scott Fernando	P				
	79-181 Larson, Bradley Lynn					
	79-210 Lesinski, Henry H.					
	79-211 Lawson, Michael Edwin					
	79-205 Luchini, Dennis					
	79-212 Madson, David W.					
	79-213 Malhotra, Rishi Shashi					
	79-214 Malin, Lee Allen					
	79-254 Martschke, Scott E.					
	79-215 Mathews, Michael Glenn					
	79-214 Mathis, Julie A.					
	*79-152 Meehan, Michael E.					
	79-215 Melroy, Gary					
	79-160 Miller, Charles Warren					
	79-161 Miller, Gary L.					
	79-213 Morgan, Kenneth E.					
	79-151 Mortenson, Steven E.					
	79-216 Murphy, Peter H.					
	*79-217 Nantz, Gregory Robert					
	79-218 Nelson, Kenneth Jeffrey					
	79-214 Oakley, Barbara Lynn					
	*79-215 Oll, Walter James					

ENGINEER-IN-TRAINING

79-187	Adams, Timothy Kenneth	F	79-203	Gee, David Eddy	P
* 79-188	Allen, William Eugene	P	79-183	Glady, Edward Robert (Jr.)	P
79-232	Anderson, John Charles	P	* 79-148	Guerra, Frank M.	P
78-199	Antonio, Joseph J.	P	79-238	Gunn, David Wayne	P
79-179	Austin, Andrew Hamilton III	P	79-13	Gutierrez, Adrian C.	F
			79-257	Hale, Robert Wayne	F
* 79-3	Baker, Christopher D.	P			
76-8	Ballesteros, Louis C.	F	* 78-224	Hanson, Johnnie L.	P
79-190	Battles, Douglas Ray	P	79-239	Hawkins, David Kenneth	P
79-191	Beal, Roger F., Jr.	P	79-149	Hemmila, Karl Eric	P
* 79-145	Beke, Anthony Francis	P	* 79-170	Henricks, James Arthur	P
79-192	Bell, David R.	P	79-171	Henry, Douglas Oliver	P
* 79-108	Berry, Richard V.	P			
			79-16	Hilliard, Donald Francis	F
79-158	Billman, Garrett Michael	P	78-19	Hinderer, Grant Kelly	F
79-234	Blount, David	P	79-241	Hines, James H. (Jr.)	P
79-146	Brown, Jeffrey Russell	F	79-206	Holmes, Susan	P
79-193	Brown, Robert Scott	P	79-240	Huffaker, Mona Kay	P
79-251	Buschmeyer, Stephen Victor	P			
			79-182	Hulden, Gilbert J.	P
79-194	Camarillo, Charles A.	P	79-207	Humphrey, William A. (Jr.)	P
77-24	Cambier, James S.	F	79-208	Hunt, Gary LeRoy	P
* 79-6	Cano, Joe O.	P	79-159	Hutton, Rosalind	P
79-138	Casey, Dennis Charles	F	79-142	Iannarino, Robert J.	F
77-136	Cawood, Carl G.	F			
79-195	Chalmers, Mark S.	P	79-184	Jones, Donald Ray	P
			79-185	Kienow, Karl Eric	P
* 79-155	Clark, Shannon J.	P	79-80	Knudsen, Dennis C.	F
79-196	Cole, Frederick J. (Jr.)	F	79-24	Kondilis, Francis Nicholas	P
79-197	Compton, Kevin M.	P	79-252	Kondziolka, Robert Eric	P
79-147	Conner, Steven James	F			
79-156	Curtis, Dennis W.J.	F	* 79-141	Larson, Bradley Evan	P
			79-210	Lesinski, Henry M.	P
77-14	Daily, Michael Dennis	F	79-211	Lovejoy, Michael Edwin	P
79-235	Davey, Doreen A.	P	75-205	Luebkin, Dennis	F
79-198	Davis, Barbara Carol	P	* 79-212	McCloe, David M.	P
79-113	Dayyo, Betty	F			
79-199	Dixon, Sharon A.	F	79-242	McPhilimy, Keith Russell	P
			79-124	Malmo, Lee Allan	F
79-181	Doll, Jack George	P	79-254	Martindale, Scott G.	P
79-8	Doll, Jerry Kenneth	F	79-213	Mathieu, Michael Emmett	F
79-167	Dubovik, Anthony T.	P	79-214	Mathis, Julie A.	P
79-236	Dziminowicz, Michael	P	* 79-150	Mecham, Michael C.	P
79-237	Earnhart, Mark C.	F			
			79-215	Meeler, Mary	P
78-156	Fairweather, Robert Kenneth	F	79-160	Miller, Charles Andrew	P
79-10	Falksen, Suzanne C.M.	F	79-161	Miller, Gary L.	P
79-168	Farnan, Thomas William	P	79-243	Morgan, Kenneth A.	P
79-116	Fenn, Richmond Lee	P			
79-200	Fernandez, Arthur Joseph III	P	79-151	Mortensen, Steven L.	F
* 79-139	Fields, David A.	P	79-216	Murphy, Peter M.	P
			* 79-217	Myers, Gregory Robert	P
79-201	Frick, Kenneth L.	P	79-218	Nelson, Kenneth Jeffrey	P
* 79-140	Gale, Donald C.	P	79-244	Oakley, Barbara Lynn	P
79-202	Garcia, Oscar Fernando	P	* 79-245	Oki, Hajime James	P

ENGINEER-IN-TRAINING (contd)

79-173	Pefkaros, Stacy H.	P
79-162	Peterson, Glen E.	P
79-174	Peralta, Agustin	P
79-219	Pettijohn, David Ross	P
79-175	Phelan, Paul Francis	P
* 79-246	Phillips, David L.	P
79-247	Phillips, Timothy S.	P
79-248	Phippen, Darrell G.	P
79-220	Ramirez, Samuel Anthony	P
79-221	Raymond, William J. (Jr.)	F
79-92	Reinhold, Mark Reed	P
* 78-268	Riley, Henry W. (Jr.)	P
* 79-222	Robbins, Ruel Howard (Jr.)	P
79-163	Royer, Duane Richard	P
79-255	Sargent, Omah	F
79-253	Seeright, Steven B.	P
79-164	Sendzimir, Thaddeus M.	P
79-176	Seriale, Joyce Marie	P
79-165	Sharp, Jeff Kirkland	P
79-223	Shoots, David Allen	P
79-225	Skiba, Albert V.	P
79-226	Smith, Charles Rand	P
* 79-136	Smith, Paul Allen	P
79-256	Smith, Timothy R.	P
* 79-166	Stanton, Theodore C.	P
* 79-157	Stape, James M.	P
79-227	Stewart, Paul William	F
79-228	Tadych, Gregory M.	F
79-229	Taft, William R.	F
78-168	Vana, Bruce D.	F
* 79-250	Wade, John David	P
79-186	Waterman, R. Neil	P
* 79-177	Ward, Robert Lee	P
79-152	White, Robert A.	F
79-230	Williams, William Thomas	F
79-104	Wood, Rebecca Lynn	P
79-178	Wylie, Thomas P.	P
79-231	Zappia, Gino Francis	P

GEOLOGIST-IN-TRAINING

79-4	Gill, Harold E.	F
* 79-5	Peterson, David E.	P

ASSAYING

Kroll, Donald Doyle	12543
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AGRICULTURAL ENGINEERING

Fewart, Richard C.	12544
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CHEMICAL ENGINEERING

Lois, Edward Arthur	12545
Wheeler, Neil J.	12546
Wright, Charles E.	12547
Wright, George Edward	12548

CIVIL ENGINEERING

Wheeler, Neil J.	12549
Wright, Charles E.	12550
Wright, George Edward	12551
Wright, Neil J.	12552
Wright, Charles E.	12553
Wright, George Edward	12554
Wright, Neil J.	12555

CIVIL ENGINEERING (contd)

Burm, Charles Barrett	12856	Palma, Jose J.	12902
Butier, Mark M.	12857	Park, Roger Lowell	12903
Cain, Christopher Bentley	12858	Parham, Glenn C.	12904
Callow, Thomas Edwin	12859	Rice, Robert Reven	12905
Caruso, Vito Joseph	12860	Rolston, David Wayne	12906
Caywood, James Alexander (III)	12861	Roman, Joseph Frank	12907
Cole, Robert Wallace	12862	Skager, Paul Steven	12908
Dibble, Kent Merrill	12863	Smith, William Dean	12909
Edler, Floyd Charles	12864	Stephens, David Keith	12910
Ehasz, Joseph L.	12865	Tanis, Steven Winfred	12911
Fulton, James	12866	Thomas, Robert J.	12912
Gahl, Robert Allen	12867	Thompson, William Howard	12913
Gallagher, Roger William	12868	Tinto, James Halliday	12914
Gappinger, Elliott Dale	12869	Tychowski, Christopher Roman	12915
Garber, Lewis W. (Jr.)	12870	Wadell, Robert Paul	12916
Gerometta, John William	12871	Watanabe, Kenneth Kenji	12917
Glos, George H.	12872	Weaver, James E.	12918
Grandy, Gordon Lee	12873	Williamson, Richard Scott	12919
Greiner, James Arnold	12874	Wood, John I. (III)	12920
Haire, Steven Alexander	12875	Wootton, Thomas Paul	12921
Hamid, Akhtar	12876	Wright, Robert Lemoine	12922
Higgins, William J.	12877		
Hopkins, Louie Baus	12878		
Juday, David Allan	12879		
Keegan, John Charles	12880		
Kersh, Ronald Lee	12881		
Kirk, Bernard J.	12882		
Kitt, John Andrew	12883		
Laakso, Douglas Gordon	12884		
Lagisquet, Jacques Francois Felix	12885		
Larson, Thomas A.	12886		
Lawrence, Becky Sayre	12887		
Leach, Richard Joseph	12888		
Leimkuehler, William H.	12889		
Lemon, James David	12890		
Lockwood, Charles Morey	12891		
Maldonado, Larry Marvin	12892		
Markeset, Edvard	12893		
Mason, Richard	12894		
Matkin, Ronald Penrose	12896		
Mead, William Charles	12897		
Murphy, Bernard Delbert	12898		
Murphy, James Patrick	12899		
Ott, Douglas Charles	12901		

ELECTRICAL ENGINEERING

Ballis, Robert James	12923
Behrendt, Robert V. (Jr.)	12924
DeCorse, Charles F.	12925
Edler, Thomas Frederick	12926
Fenster, Larry Charles	12927
Hunt, James Ray	12928
Jones, Joe Carless	12929
Jones, Kenneth Joseph	12930
Krueger, Alan John	12931
Lawrence, Louis A.	12932
Macias, Antonio	12933
McCabe, Donald Richard	12934
Palka, Adam Albin	12935
Plumb, David Carlton	12936
Rex, Michael Buford	12937
Ryan, Franklin Dale	12938
Sarkisian, Noray	12939
Thatcher, Carroll D.	12940
Voss, George W.	12941
Witter, Robert Edward	12942

continued...

GEOLOGICAL ENGINEERING

Knight, F. James 12943
 Taylor, Johnnie Dale 12944
 Tognoni, David Quentin 12945

GEOPHYSICAL ENGINEERING

Dortch, Willis Reeves 12946

HIGHWAY ENGINEERING

Foster, Thomas Daniel 12947
 Wright, Edward Dickinson 12948

MECHANICAL ENGINEERING

Ackerman, David Clark 12949
 Behee, Ronald Dennis 12950
 Bishop, Douglas Steven 12951
 Conder, Michael William 12952

Coyle, Patrick Doff 12953
 Del Rio, Francisco (Jr.) 12954
 Demetrulias, George Chris 12955
 Fjeld, Gordon Fred 12956
 Gessling, Robert Francis 12957

Goham, James Emil 12958
 Henwood, William Arthur 12959
 Hollars, Russell Lowell 12960
 Jernberg, Evert Herman 12961
 Johnson, Bruce Robert 12962

King, Jerry C. 12963
 Lantrip, Morgan Wayne 12964
 Lloyd, Harry James 12965
 Lungren, Randolph William 12966
 Patel, Dilipkumar Nathubhai 12967
 Peterson, Mark Jon 12968

Pierson, Donald Louis 12969
 Rieske, Kent R. 12970
 Sandahl, Lee Francis 12971
 Sedlock, William Edward 12972
 Sen, Utpal 12973

Shepherd, Stanton Henry 12974
 Snyder, James Robert 12975
 Spinelli, John Joseph 12976
 Waranowicz, Edward Joseph 12977
 Wilcox, Gary Paul 12978

METALLURGICAL ENGINEERING

Keane, Joseph Michael 12979

MINING ENGINEERING

Daemen, Jaak Joseph K. 12980

NUCLEAR ENGINEERING

Neyman, James Nelson 12981

SANITARY ENGINEERING

Fisher, Lawrence Russell (Jr.) 12982
 Martini, Albert Dominic 12983
 Luiz, Francis Michael 13024

STRUCTURAL ENGINEERING

Alving, John William 12984
 Clark, Thomas Henry 12985
 Grabski, Donald Gordon 12986
 Hanlon, Edward Anthony (Jr.) 12987
 Irwin, Thomas William (Jr.) 12988

Lewis, James Walter 12989
 Offenburger, Neil Ronald 12990
 Troyer, Raymond Daniel 12991
 Villa, Thomas Spencer 12992
 Whitmer, Arthur H. 12993

GEOLOGY

Allen, Timothy Joseph 12994
 Armstrong, Edward J. 12995
 Cockle, Allen Robert 12996
 Eyrich, Henry Theodore 12997
 Wahl, David Edwin (Jr.) 12998
 Weeks, Ralph Edward 12999

LAND SURVEYING

Berry, Leonard D. 13000
 Berry, Michael Sliney 13001
 Caruso, Vito Joseph 13002
 Johnson, Bobby G. 13003
 Murphy, James Patrick 13004
 Murphy, John P. 13005
 Sanderson, Gary Thomas 13006
 Bowlin, Gerald Ray 13007
 Burer, Alfred Earl 13008
 DeWitt, Wendell Fred 13009
 Dryden, Charles Wyatt 13010
 Hopps, Sigmond Timothy 13011
 Maakestad, Tallak Daniel 13012
 Murrey, David Howard 13013
 Muth, James Edward 13014
 Naville, Patrick W. 13015
 Nykorchuk, David John 13016

LAND SURVEYING (contd)

Pashen, Peter John	13017
Prescott, Steven Reed	13018
Putt, David L.	13019
Sanchez, Carlos	13020
Sullivan, Michael Keith	13021
Tokarski, Norbert A.	13022
Walker, Derle Devon	13023
Wier, Robin Remington	12895
Wisner, Norman Walter	12900

Wright, William	2211
Wright, William	2212
Wright, Thomas	2213

Yam, Joe J.	2214
Yam, Joseph	2215
Yam, David A.	2216
Yam, David	2217
Yam, Donald C.	2218

Yam, William	2219
Yam, Ralph Louis	2220
Yam, Frank M.	2221
Yam, Joseph L.	2222
Yam, Albert Eugene (III)	2223

Yam, James Arthur	2224
Yam, Richard M.	2225
Yam, David James	2226
Yam, Mark Charles	2227
Yam, Bradley Evan	2228

Yam, David R.	2229
Yam, David M.	2230
Yam, Michael C.	2231
Yam, Jeff	2232
Yam, Gregory Robert	2233
Yam, James	2234

Yam, David L.	2235
Yam, Henry M.	2236
Yam, Noel Howard (Dr.)	2237
Yam, Andrew Ellis	2238
Yam, Paul Allen	2239
Yam, Michael Edward	2240

Yam, Theodore C.	2241
Yam, James M.	2242
Yam, Benjamin M.	2243
Yam, John David	2244
Yam, Robert Lee	2245
Yam, David J.	2246

It was moved by Dr. O'Bannon and seconded by Mr. Goodwin that the following applicants for in-training registration, having satisfactorily completed the written examination and all other requirements of the Board, be granted in-training registration and assigned the in-training registration numbers as indicated. Motion carried.

ENGINEER-IN-TRAINING

Allen, William Eugene	2209
Baker, Christopher D.	2210
Beke, Anthony Francis	2211
Berry, Richard V.	2212
Broughton, Thomas Magruder	2213
Cano, Joe O.	2214
Clark, Shannon J.	2215
Fields, David A.	2216
Furstenau, Devon	2217
Gale, Donald C.	2218
Gayle, William Rimmerman	2219
Goodall, Ralph Louis	2220
Guerra, Frank M.	2221
Hanson, Johnnie L.	2222
Heard, Robert Eugene (III)	2223
Henricks, James Arthur	2224
Johnson, Richard M.	2225
Keegan, David James	2226
Knatz, Mark Charles	2227
Larson, Bradley Evan	2228
Lorentz, David R.	2229
McCloe, David M.	2230
Mecham, Michael C.	2231
Mervin, Jeff	2232
Myers, Gregory Robert	2233
Oki, Hajime James	2234
Phillips, David L.	2235
Riley, Henry W. (Jr.)	2198
Robbins, Ruel Howard (Jr.)	2199
Romer, Andrew Ellis	2200
Smith, Paul Allen	2201
Stamps, Michael Howard	2202
Stanton, Theodore C.	2203
Stape, James M.	2204
Talavera, Mardonio M.	2205
Wade, John David	2206
Ward, Robert Lee	2207
West, David J.	2208

GEOLOGIST-IN-TRAINING

Peterson, David E.	0028
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REGISTRATIONS DENIED

1. It was moved by Dr. O'Bannon and seconded by Mr. Gookin that the following applicants be denied registration for failure to complete the requirements of the Board within a reasonable length of time. Motion carried.

Kovach, Edward J.	79-239	Architect
Bever, Richard Joseph	79-170	Land Surveyor
Blackmon, Julius Lemay	78-598	Civil Engineer
Wright, C. Douglas	79-122	Civil Engineer

2. It was moved by Dr. O'Bannon and seconded by Mr. Gookin that the following applicants be denied registration for lack of experience of a character satisfactory to the Board under A.R.S. 32-122.A with refunds as shown. Motion carried.

Glos, George H.	79-748	Geological Engineer	\$10
Lindmuir, Eric	79-581	Civil Engineer	\$10
Cheyne, Wilroy Gordon	79-704	Civil Engineer	\$25
George, Leonard Francis	79-703	Civil Engineer	\$25
Hango, Kenneth A.	79-670	Civil Engineer	\$25
Orrison, Gerald K.	79-673	Civil Engineer	\$25
Parco, Delfin C.	79-556	Civil Engineer	\$25
Wood, Norman Douglas	79-639	Civil Engineer	\$25

3. It was moved by Dr. O'Bannon and seconded by Mr. Gookin that the following applicants be denied registration with neither prejudice nor refund at their own request. Motion carried.

Beverly, David Keith	79-657	Civil Engineer
Bradley, Jack Ralph (Jr.)	79-312	Architect
Doshi, Jai T.	79-884	Industrial Engineer
Eckert, Robert Worley	79-649	Architect
Gaffin, Robert Clayton	79-603	Civil Engineer
Haines, F. Wallace	79-390	Architect
Mitchell, William Aiton	76-345	Highway Engineer
Nelson, Thomas Edward	79-445	Landscape Architect
Pierce, Jeffrey Leo	79-246	Civil Engineer
Rohr, Alfred F.	78-683	Landscape Architect
Sodemann, George Leslie	79-667	Civil Engineer
Williams, Stephen Hal	80-049	Civil Engineer

ARIZONA STATE BOARD OF TECHNICAL REGISTRATION
 REGULAR MEETING
 MARCH 7, 1980

The regular quarter-annual meeting of the State Board of Technical Registration was held at the College of Architecture, The University of Arizona, in Tucson, Arizona on Friday, March 7, 1980. The meeting was called to order by Chairman, Rod J. Gomez, at 9:33 A.M.

PRESENT: Rod J. Gomez, Chairman
 Kemper Goodwin, Vice Chairman
 Wayne O. Earley, Secretary
 William S. Gookin, Member
 Rudolf A. Jimenez, Member
 Jimmie R. Nunn, Member
 Charles E. O'Bannon, Member
 John B. Trimble, Member
 David W. Ronald, Assistant Attorney General
 F. Mark Edson, Executive Director

Those present constituted a quorum.

READING OF THE MINUTES

It was moved by Mr. Trimble and seconded by Mr. Goodwin that the minutes of the special meeting of the board held February 22, 1980 be approved as presented. Motion carried.

REPORT OF THE EXECUTIVE COMMITTEE

The Executive Committee sat as hearing officers on February 22, 1980 for a public hearing of proposed rule changes for R4-30-17, Personal Audience, and R4-30-30, Miscellaneous Fees for Services. A hearing was advertised with notice to the Secretary of State and professional societies of architects, engineers, land surveyors, and landscape architects. Notice was posted on the main floor bulletin board at 1645 W. Jefferson, Phoenix, Arizona.

Mr. Joseph Holgate was present, representing Arizona Consulting Engineers' Association. No other people were presents. No testimony was presented by the public.

The public hearing was closed. Further consideration of these rule changes was considered under the Report of the Rules and By-Laws Committee.

REPORT OF THE RULES AND BY-LAWS COMMITTEE

Proposed Changes to the Rules
R4-30-01, Applications, General.
R4-30-17, Personal Audience

The Executive Director briefed the board on the proposed rules shown on Minute Pages 4314-5 and also on proposed rewording of Rule R4-30-17 shown on Minute Page 4427.

Mr. Ronald advised the board that the proposed changes to R4-30-01 and R4-30-17 were contrary to A.R.S. 32-123. in that an oral or written exam may be required--not both. He states that the statute would need to be altered before the rules could be satisfactorily changed to require or waive the personal audience.

MOTION: It was moved by Mr. Goodwin and seconded by Dr. Jimenez that the board propose amendments to the Legislature to change A.R.S. 32-123. Motion carried.

R4-30-30, Miscellaneous Fees

The board considered Rule R4-30-30, shown on Minute Page 4380.

MOTION: It was moved by Dr. Jimenez and seconded by Mr. Trimble that the proposed change to Rule R4-30-30 filed with the Secretary of State on January 25, 1980, be approved and forwarded by the Executive Director to the Attorney General for certification.

It was moved by Mr. Earley and seconded by Mr. Trimble that the motion be amended to strike the reference to charges for photostatic copies. Motion carried.

Amended motion carried.

Land Surveyor/Civil Engineer - Definition of Practice

Dr. Jimenez submitted the memorandum shown on Page 4428.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Gookin that the board accept this report. Motion carried.

The Executive Director asked the board to define current policy on the issue for use by the staff in responding to inquiries.

POLICY: The board accepts a statement from the Attorney General's opinion and directed that it be quoted to those who inquire, as follows:

"A licensed engineer can participate in the practice of land surveying when it is encompassed within the practice of engineering or when land surveying is necessary and incidental to a specific engineering project and he is qualified to undertake it."

Definition of Eminence

Dr. O'Bannon is to coordinate a meeting with Mr. Goodwin and Mr. Earley to prepare a statement for presentation at the next board meeting.

Public Meeting Notices

Mr. Ronald reviewed the requirements of A.R.S. 38-431 regarding open meetings with the board.

It was the consensus that all board meetings and committee meetings are open to the public and should be so noticed. All meetings are to remain open to the maximum extent possible. Executive sessions shall be in

accord with the requirements of A.R.S. 32-431.03, and need for these meetings should be anticipated and included in the public notice. The public notice should make reference to the agenda for the noticed meeting.

Board Opinion Requested by J. Stanley Edwards

Mr. Edwards' letter is shown on Minute Pages 4429-4430.

MOTION: Dr. O'Bannon made a motion that the Executive Director be instructed to make a written response, quoting the statutes regarding the questions posed by this letter. The motion was seconded by Mr. Trimble; motion carried.

REPORT OF THE LEGISLATIVE COMMITTEE

Sunset Review

The board was informed that the first hearing for HB 2092 has been scheduled before the Commerce Committee on March 14, 1980 at the House Hearing Room #2 at 10:00 A.M. The proposed amendments prepared by Legislative council are shown on Pages

MOTION: It was moved by Mr. Trimble and seconded by Dr. Jimenez that the board recommend to the Legislature that the proposed amendments to HB 2092 include striking "AT LEAST" on Page 5, line 10. Motion carried.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Trimble that the remaining changes be accepted as outlined. Motion passed.

Budget Approval by JLBC

An addendum to the budget recommendations for FY1980-81 has been approved by JLBC and EBO for recommendation to the Senate Appropriations Committee. Shown on Minute Page 4431.

Land Surveyors' Requested Amendment to HB 2092

The Land Surveyors' Association requested that the board revised the current recommendation to the Legislature to require eight years of experience rather than six.

MOTION: It was moved by Mr. Trimble and seconded by Dr. O'Bannon that the board recommend to the Legislature that HB 2092 be changed on Page 7, line 43, thusly:

"for at least ~~four~~ EIGHT years in ~~assaying-of~~ land surveying..."

Motion passed.

REPORT OF THE EVALUATION AND EXAMINATION COMMITTEES

The committees reported at the special board meeting on February 22, 1980.

MOTION: It was moved by Mr. Gookin and seconded by Dr. O'Bannon that the Executive Director be authorized to schedule qualified applicants for the

April 1980 exams, subject to committee approval on April 10-11, 1980 and board confirmation at the June board meeting. Motion carried.

POLICY: The full board concurred that a policy be established to give the Executive Director authority to admit qualified in-training applicants to examinations without committee recommendation and board approval.

REGISTRATIONS GRANTED (See Minute Page 4432.)

REGISTRATIONS DENIED (See Minute Page 4433.)

REPORT OF THE ENFORCEMENT COMMITTEES

Mr. Ronald discussed hearing procedures with the board, and advised the board to issue press releases on all suspensions of licenses. In particular, he stressed the complexity of due process formal hearings and recommended that wherever possible the board conclude a complaint case with findings referenced to the law through a signed consent agreement between the board and the defendant party.

1. Phoenix Committee

Dr. O'Bannon presented the reports of the Phoenix Committee.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Trimble that the minutes of a meeting held December 21, 1979 be approved as presented. Motion carried. Minutes are on file in board office.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Trimble that the minutes of a meeting held January 31, 1979 be approved as presented. Motion carried. Minutes are on file in board office.

C79-015 TRB vs. BROCK, DAN (REGISTRANT)

The Executive Director reviewed the findings of the Enforcement Committee as follows:

1. that Mr. Brock's inspection reports were skimpy and inconsistent with the intent of practice as defined by A.R.S. 32-101.B.3 for "review of construction for conformance with contract documents and design", thus may be guilty of some negligence under A.R.S. 32-128.A.2.,
2. that mitigating circumstances reflect to the credit of Mr. Brock indicating that he notified the City of Scottsdale of work which the contractor covered without having required sign-off by City inspection personnel which led to re-inspection by City and correction of the work.

MOTION: It was moved by Mr. Nunn, seconded by Dr. O'Bannon, that based on the findings, Mr. Brock be reprimanded for incomplete and potentially misleading documentation of his professional work, that he be asked to avoid any repetition of the misunderstandings evident in this case by improving his performance in documentation, and that the Executive Director prepare an approved consent agreement incorporating the intent of this motion for Mr. Brock's acceptance; and that upon acceptance, the file be closed. Motion carried.

C79-005 TRB vs. ENGINEERING CONCEPTS, INC.

The Executive Director reviewed the findings of the committee that the case be closed, and further reported that new evidence had been received since the committee last met concerning the activities of Engineering Concepts, Inc. and Registered Civil Engineer, James W. Croft, in Yuma County, indicating the need for continued investigation and report.

MOTION: It was moved by Mr. Goodwin and seconded by Dr. O'Bannon that the Executive Director be authorized to continue field investigations in this case and report to the Phoenix Enforcement Committee. Motion passed. Mr. Earley abstained.

C79-011 TRB vs. DORSETT, RON (Non-Registrant) & DORSETT INDUSTRIES
C79-018 TRB vs. BIDDLE, WALTER (Registrant)

The Executive Director reviewed the Enforcement Committee's findings. Discussion of the findings by the board addressed the inadvisability of considering both matters jointly, even though the cases are related and intertwined.

MOTION: It was moved by Mr. Goodwin and seconded by Dr. O'Bannon to refer this case back to the Enforcement Committee to conduct informal hearings with the involved parties for the purpose of developing a more refined record. Motion carried.

C79-034 TRB vs. NICOLAS COWIE & ASSOCIATES

The Executive Director reviewed the committee's findings for the board, indicating that the complaint was unfounded in fact.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Earley that this case be closed, because there were no violations of the rules or statutes. Motion passed.

C79-028 TRB vs. MASSEY'S ENGINEERING

The Executive Director reviewed the findings of the committee, indicating Massey's efforts to comply with A.R.S. 32-121 and 32-145.2.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Goodwin that this case be closed, subject to the receipt of a signed affidavit of compliance from Massey's Engineering. Motion passed.

C79-016 TRB vs. ATHERTON, ROBERT B. (Registrant, Civil Engineer)

The board was presented a Request for Dismissal of Further Proceedings and memorandum of law in support thereof, received by the Executive Director from Mr. Atherton's attorney, Mr. Michael Jones.

On recommendation of the Assistant Attorney General to review the petition and reconsider the findings of the committee,

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Trimble that this case be continued for further review by the Enforcement Committee.

Mr. Atherton appeared before the Board to argue his position.

SUBSTITUTE

MOTION: It was moved by Mr. Earley and seconded by Mr. Goodwin that this case be dismissed as there was no violation of the law. Motion failed with 2/4 vote.

Question was called on the original motion. The motion passed.

C79-017 TRB vs. LEWIS, DWAYNE G. (Registrant, Architect)

The Executive Director reviewed the Enforcement Committee's findings for the board, indicating that Lewis, by his own testimony, demonstrated a lack of regard for his agreement with his client, some disregard for procedures of professional practice affecting the welfare of his client, and exhibited some negligence per A.R.S. 32-101.B.3 and 32-128.A.2.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Trimble that Mr. Lewis be censured for committing acts under A.R.S. 32-128.A.2 and that the Executive Director prepare an approved consent agreement, incorporating the intent of this motion, for Mr. Lewis' acceptance; and that upon acceptance, the case be closed. Motion carried.

C79-026 TRB vs. JONES, GERRY (Non-Registrant)

The Executive Director reviewed the Enforcement Committee's findings, indicating the complaint was unfounded in fact.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Trimble that this case be closed, because there is no evidence that there has been a violation of the statutes. Motion carried.

C79-026~~4~~ TRB vs. BERTA, DOMINIC (Registrant, Architect)

The Executive Director reviewed the findings of the Enforcement Committee for the Board, indicating that drawings and specifications prepared by Mr. Berta for the additions to Oakcreek School District #6 schools at Cottonwood, Cornville, and Sedona contained serious defects as follows:

- A. that preparation of the documents was not done in a professional manner, leaving wide latitude for quality control in the hands of the successful bidder and that such practice is not in the best interest or welfare of the architect's public agency client, per A.R.S. 32-101.
- B. that structural, mechanical, electrical and plumbing drawings were deficient in many areas to enable competitive bidding on a specified uniform basis, and that these drawings were not performed by registrants as required by A.R.S. 32-142.
- C. that Mr. Berta lacks (by his own admission) the qualifications to place his seal on these engineering documents under A.R.S. 32-143.
- D. that the documents as presented for bidding have serious defects in structural adequacy, electrical safety, mechanical and plumbing performance, as defined by A.R.S. 32-101.B.3.

MOTION: It was moved by Mr. Goodwin and seconded by Mr. Trimble that because of violations of A.R.S. 32-101, A.R.S. 32-142 and A.R.S. 32-143, Mr. Bertas' license be suspended for ten months and that the Executive

Director prepare an approved consent agreement incorporating the intent of the motion for acceptance by Mr. Berta, and that the agreement also offer a pardon reducing the suspension by six months, providing Mr. Berta completes the plans and specifications for the schools in a manner acceptable to the board by July 1, 1980. Motion passed.

MOTION: It was moved by Mr. Trimble and seconded by Mr. Nunn that the Executive Director verify if procedres used by the School Superintendent for selection and payment of consulting services are legal.

After discussion, Mr. Trimble and Mr. Nunn agreed to revise the motion and moved to table the matter for further discussion at the next board meeting. Motion carried.

MOTION: It was moved by Mr. Nunn and seconded by Mr. Earley that the Executive Director be instructed to send a letter to bring the facts of this case to the attention of the Yavapai County Attorney and to ask that he take appropriate action. Motion passed.

2. Tucson Committee

It was moved by Dr. O'Bannon and seconded by Mr. Trimble that the minutes of a meeting held December 14, 1979 be approved as presented. Motion carried. Minutes are on file at the board office.

C79-019 TRB vs. HARLOW LANDSCAPE ASSOCIATES (MR. JOHN KIES, Non-Registrant)

The Executive Director reviewed the Enforcement Committee's findings for the board, indicating that Harlow's Nursery Division misrepresented its firm as planners and designers (Landscape Architects as defined by A.R.S. 32-101.B.12) and were in fact engaged in the practice of landscape architecture as defined by A.R.S. 32-101.B.14, such practice being the subject of their business brochure, which implies a high degree of "professional" performance and is misleading to the public.

MOTION: Mr. Earley moved, and Dr. O'Bannon seconded, that the Tucson Enforcement Committee's recommendation be approved and implemented and that Mr. Kies be advised that he is in violation of A.R.S. 32-145 with a copy to be sent to the Tucson City Attorney. Motion carried.

C79-022 TRB vs. NASSI, RICHARD B. (Non-Registrant)

The Executive Director reviewed Mr. Nassi's file regarding his use of the term "P.E.", while not being an Arizona registrant.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Trimble that Mr. Nassi be offered a consent agreement that he will submit a signed Certificate of Compliance to the board by May 16, 1980 or the matter will be turned over to the City Attorney.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Goodwin that the Executive Director be directed to write a letter to the Transportation Director, City of Tucson, concerning the job description of the City Traffic Engineer. Motion carried.

C79-029 TRB vs. STRUCTURES UNLIMITED (JACK LAND, Non-Registrant)

The Executive Director reviewed the file for the board, indicating that we had been unable to locate Mr. Land and that based on Mr. Land's use of the term "P.E.", there was insufficient cause to initiate field investigation for the purpose of locating Mr. Land.

MOTION: It was moved by Mr. Goodwin and seconded by Mr. Gookin that the board accept the recommendation of the Enforcement Committee to close this case and file a brief of the case in the registration file of Jack Denny, Civil Engineer #10887. Motion carried.

Letter to Governor Regarding Bridge Failures

The Executive Director was directed by the board on February 22, 1980 to prepare letters to the Governor and to the Department of Transportation regarding the board's inquiry into bridge performances. The letters are shown on Minute Pages 4434-38. A third letter directed to the Director of the Division of Emergency Services is shown on Minute Page 4439.

MOTION: Mr. Gookin moved that the letter to the Governor be signed and forwarded to the Governor. Dr. O'Bannon seconded the motion. Motion carried.

MOTION: Mr. Goodwin moved that the letter to Mr. Ordway of the Department of Transportation be forwarded immediately. Mr. Trimble seconded the motion; motion carried.

MOTION: Mr. Gookin moved and Mr. Earley seconded that copies of the letter to Mr. Ordway be sent to the Committees of Reference in the Legislature. Motion carried.

Mr. Gookin suggested and the board agreed that the Executive Director be instructed to send a letter to the Governor regarding qualifications of the State Water Engineer.

REPORT OF THE PUBLIC INFORMATION COMMITTEE

Mr. Edson reported that he had scheduled a seminar to speak to the five-year students at the University of Arizona regarding registration in Arizona. He also reported that he had scheduled a similar seminar at Arizona State University on March 21, 1980.

REPORT OF THE BUDGET COMMITTEE

No report.

The Executive Director informed the board that he expects to begin budget preparation in April 1980 for the FY1981-82 budget.

REPORT OF THE EXECUTIVE DIRECTOR

Mr. Edson presented the report shown on Minute Page 4440.

READING OF COMMUNICATIONS

1. Lynn P. Wallace Mr. Wallace's letter is shown on Minute Pages 4441-2. Mr. Edson's reply is shown on Minute Pages 4443.

MOTION: Mr. Goodwin made a motion to reaffirm to Mr. Wallace the facts stated in Mr. Edson's letter. Mr. Trimble seconded the motion. Motion carried.

2. Lee Sandahl Mr. Sandahl's letter of January 28, 1980 is shown on Minute Page 4444.

3. David W. Ronald, Assistant Attorney General Letter dated February 1, 1980 called attention to two opinions dealing with public records and board meetings. Shown on Minute Pages 4445-4450.

4. William M. Greenslade, Association of Professional Geological Scientists Letter dated February 22, 1980 regarding a proposal for assistance to the board in reviewing examinations and qualifications of applicants is shown on Minute Pages 4451-52. The Executive Director's reply is shown as Minute Page 4453.

MOTION: Dr. Jimenez moved that the board accept this offer of assistance with the request that it become operational for the November 1980 examinations and that they review past and existing examinations. The motion was seconded by Mr. Trimble; motion carried.

NEW BUSINESS

Deichman, Michael A. Mr. Deichmann appeared before the board to appeal the board's decision of February 22, 1980 that he be held for Parts 3 and 4 of the Mechanical Engineering examination.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Earley that the board's decision of February 22, 1980 be upheld and that Mr. Deichmann be held for Parts 3 and 4 of the Mechanical Engineering exams. Motion passed.

Travel Authorization

National Council of Engineering Examiners' Western Zone Meeting, Portland, Oregon, May 4-6, 1980.

MOTION: It was moved by Mr. Gookin and seconded by Mr. Trimble that the board authorized two members to attend this meeting. Motion carried.

Council of Landscape Architectural Registration Boards' Region Five Meeting, Portland, Oregon, April 5, 1980.

MOTION: It was moved by Mr. Trimble and seconded by Dr. O'Bannon that Mr. Earley and one other person be authorized to attend this meeting. Motion carried.

Future Dates

March 13-15 WesCARB Regional Meeting, Anchorage, Alaska
 April 3 Architectural Evaluation Committee Meeting
 Landscape Architectural Evaluation Committee Meeting
 April 10-11 Engineering Evaluation Committee Meetings
 April 17-18 Engineering, Geology, and Land Surveying Exams
 Phoenix and Tucson
 May 4-6 NCEE Western Zone Meeting, Portland, Oregon
 May 9 Architect, Landscape Architect Evaluation Committees
 May 15-16 Engineering Evaluation Committee Meetings
 June 6 Regular Board Meeting, Room 126, 1645 W. Jefferson, Phoenix
 June 10-11 Architectural Exams, Phoenix and Tucson
 June 18-21 NCARB Meeting, Colorado Springs, Colorado

ADJOURNMENT

There being no further business before the board, it was moved by Mr. Nunn and seconded by Mr. Trimble that the meeting be adjourned. Motion carried. Meeting adjourned at 4:48 P.M.

Respectfully submitted,



Wayne O. Earley
 Secretary of the Board

PROPOSED RULE

Pursuant to A.R.S. §32-122 the State Board of Technical Registration proposes to adopt a rule, similar in substance, terms and conditions to the wording of the following:

R4-30-17. ~~Personal-Audience~~ (A.R.S. 32-123.B) ORAL AND WRITTEN EXAMINATIONS

- A. ~~A-personal-audience~~ ORAL AND WRITTEN EXAMINATIONS will be required of all applicants ~~in-order-to-complete-professional-registration~~ FOR INITIAL OR FIRST REGISTRATION AS A PART OF THE BOARD'S REQUIREMENTS FOR PROFESSIONAL REGISTRATION. THE BOARD MAY WAIVE THE REQUIREMENT OF ORAL AND WRITTEN EXAMINATIONS FOR APPLICANTS WHO HOLD A VALID CERTIFICATE OF REGISTRATION ISSUED BY ANOTHER OF THE UNITED STATES OF AMERICA WHICH HAS WRITTEN EXAMINATION REQUIREMENTS EQUAL TO THOSE GIVEN BY THE BOARD. The ~~personal-audience~~ ORAL EXAMINATION will consist of ~~an-oral-and/or~~ A REVIEW WITH THE APPLICANT OF A written examination of 15 to 30 minutes duration covering the Code and Rules of the State Board of Technical Registration. The ~~personal-audience~~ ORAL EXAMINATION will be given at a time and place convenient to the Evaluation Committee of the Board.
- B. (No change)
- C. An applicant who has been given two opportunities to appear for a ~~personal-audience~~ AN ORAL EXAMINATION before the Evaluation Committee and fails to do so shall have his application denied unless this rule is waived by the Board for good cause shown.

[Faint signatures and text at the bottom of the page, including what appears to be "Charles R. O'Connell" and "April 1988"]



THE UNIVERSITY OF ARIZONA
TUCSON, ARIZONA 85721

COLLEGE OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING AND
ENGINEERING MECHANICS

March 5, 1980

MEMORANDUM TO: Arizona State Board of Technical Registration

REGARDING: Engineers - Land Surveyors

The Rules and By-Laws Committee has reviewed the question related to the performance of land surveying by Registered Engineers. The review has consisted of studying the relevant statutes; the Attorney General's opinion on this issue which is dated July 10, 1972, and reaffirmed orally on February 22, 1980; the number of complaints from Land Surveyors; and the questioning of respected Civil Engineers.

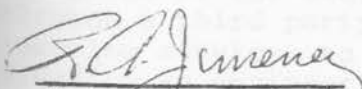
The present statutes and the proposed House Bill 2092 define engineering practice and include the service or work in surveying and also location; these also define land surveyor as one who practices in surveying tracts of land -- for their correct location.


In response to the question of engineers performing land surveying, the Attorney General's opinion of 1972 made reference to the statutes A.R.S. 32-101 and also 32-143 (which is concerned with practice outside of one's discipline but incidental to the work of one's profession). A specific answer to the question was as follows:


- "1. Yes, a licensed engineer can participate in the practice of land surveying when it is encompassed within the practice of engineering or when land surveying is necessary and incidental to a specific engineering project and he is qualified to undertake it." (Underlining is ours.)

It is our interpretation that the first underlined phrase above refers specifically to the Civil Engineering discipline and the second underlined phrase to any engineering discipline. As such, we agree with the Attorney General's opinion and believe that Civil Engineers can practice land surveying according to statute.

The Committee also believes that there are certain areas of land surveying which should be practiced only by those that have demonstrated equal capability of a Registered Land Surveyor and, therefore, should be evaluated on the same basis. We think this would necessitate a change in statute to define such areas and how those Civil Engineers who have been recently practicing in those areas can become registered as land surveyors. These thoughts are along the lines that Texas used for the situation. However, we strongly believe that initiation and promotion of the statute change should come from the Registered Land Surveyors.


R. A. Jimenez


Charles E. O'Bannon


John B. Trimble

RAJ:pd

J. Stanley Edwards
Attorney and Counselor At Law
Registered Patent Attorney

4305 Winfield Scott Plaza, Suite D Scottsdale, Arizona 85251
(602) 941-8863

December 11, 1979

RECEIVED

DEC 17 1979

STATE BOARD TECHNICAL REGISTRATION

F. Mark Edson, Executive Director
State Board of Technical Registration
1645 West Jefferson Street
Phoenix, Arizona 85007

Re: Request for opinions from the State Board of Technical
Registration.

Dear Mr. Edson:

Pusuant to our telephone conversation of the week of November 12, 1979 I am requesting that the members of the Board consider the following questions regarding the applicability of Chapter 1, Title 32, Arizona Revised Statutes. These questions arise from actual controversies presented to me by my clients regarding the applicability of the above Statutes on their proposed activities.

The first question concerns the issue as to whether or not a corporation may have the term "engineer" or "engineering" in its corporate name without violating the Statute. In this case, an engineer with a Bachelor of Science degree in mechanical engineering desires to form a private corporation through which he will offer his engineering services to major manufacturing corporations in the electronics packaging area. This individual will be the sole owner of all the corporate stock and will not make his services available to the general public either by way of general advertising, yellow page listing, personal solicitations or otherwise. The individual involved is not registered with the State of Arizona and the area of practice of his dicipline is a very narrow portion of the mechar-ical engineering spectrum to which the examination is given by the Board are for the most part unrelated. The purpose of the corporation is to allow the individual to take advantage of certain privileges available under the Internal Revenue Code that would not otherwise be available to them.

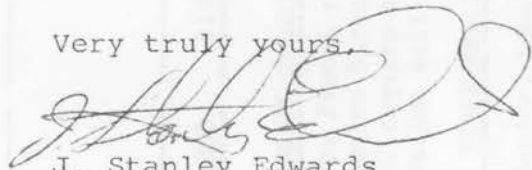
The second question regards whether or not an individual is in violation of the statute when as an independant contractor working through a third party placement agency such individual provides engineering services to the corporation which are not directly supervised by an engineer registered with the State of Arizona although the services and component manufacturing is done in Arizona and is sold to the public. Should the Board determine that the individual is in violation of the applicable statutes, what then is the status

of the third party placement agency who actually is the direct receiver of funds paid by the manufacturing/engineering concern that takes a percentage of the gross wage as its fee and passes on the difference to the individual contractor?

A third question goes directly to the question of whether or not a manufacturing concern itself is subject to the terms and conditions of the statute. As an electrical engineer I was employed at both Goodyear Aerospace and Sperry Flight Systems in an engineering capacity designing goods for use by the general public and was at no time supervised or to my knowledge was any of my work supervised by a registered professional engineer. In such a case, is only the employing unit, i.e. Goodyear Aerospace or Sperry, in violation of the act because of the lack of supervision by the professional engineer.

In reading the statutes it would appear that if interpreted literally, a great deal of the engineering/manufacturing operations in the State of Arizona are in violation of the statutes and I would request clarification from the Board. Thank you for your time and attention to these matters.

Very truly yours,



J. Stanley Edwards
Attorney at Law

JSE:mg

APPENDIX TO THE RECOMMENDATIONS
FOR THE FISCAL YEAR 1980-1981

Addendum No. 14

Date: February 27, 1980

AGENCY Technical Registration

Executive Budget Page No. 167

J.L.B.C. Budget Page Number 278

	Agency		Executive		Legislative Staff		
	New Request	Original Recommendation	Change	New Recommendation	Original Recommendation	Change	New Recommendation
No. of F.T.E. Positions	5.5	4.0	1.5	5.5	4.0	1.5	5.5
Personal Services							
Employee Related Exp.							
Prof. & Outside Svcs.							
Travel - State							
Travel - Out of State							
Other Operating Exp.							
Equipment							
LUMP SUM TOTAL	\$201,900	\$179,700	\$ 18,300	\$198,000	\$180,200	\$17,800	\$198,000

EXPLANATION OF CHANGES

The Board has changed its direction and emphasis for the fiscal year 1980-81. The original budget request, submitted in September before the changes and new Executive Director does not reflect these new areas of emphasis. The investigative function of the Board will require a full-time Investigator, associated clerical support, travel expenses and equipment. The recommendation will allow the Board to develop a new enforcement and peer review program.

LEGISLATIVE STAFF ANALYSIS

Legislative Staff concurs with the Executive recommendation, however the primary difference arises in personal services and employee related expenditures since the original Legislative Staff recommendation was higher in those categories. Therefore, the additional recommended increase is less than that of the Executive Staff.

DEPT. OF ADMIN. STAFF

FEB 27 1980

04431

REGISTRATIONS GRANTED

1. It was moved by Mr. Goodwin and seconded by Mr. Trimble that the following applicants for professional registration, having completed the personal audience and all other requirements of this Board, be granted registration and assigned the registration numbers as indicated. Motion carried.

ARCHITECTURE

Schulte, Gordon H. 12846

STRUCTURAL ENGINEERING

Khan, Rahat Yousuf 13026

2. It was moved by Mr. Goodwin and seconded by Dr. Jimenez that the following applicants for in-training registration, having satisfactorily completed the written examination and all other requirements of the Board, be granted in-training registration and assigned the in-training registration numbers as indicated. Motion passed.

ENGINEER-IN-TRAINING

Antonas, Nicholas J. 2236
 Deatherage, James David 2237
 Miller, Paul Joseph 2238
 Thomas, Matthew E. 2239

REGISTRATIONS DENIED

1. It was moved by Mr. Trimble and seconded by Mr. Nunn that the following applicants be denied registration for failure to complete the requirements of the Board within a reasonable length of time. Motion carried.

ENGINEER-IN-TRAINING

Boyd, Gary Lewis	79-109	Hyer, Gary Wayne	79-74
Carleton, Loyd E.	79-111	Klensin, Barbarann L.	78-180
Connell, Christopher V.	78-153	Hansen, Robert LeeRoy	79-119
Cortez, Gary J.	78-102	Morreale, Antonio	77-142
Cotter, Charles A.	79-53	Nasrallah, Gaby	78-183
Dentz, Alice H.	78-176	Overbey, Clyde McKinley	79-27
Dong, Lorraine	79-57	Patton, John Carmal	79-128
East, Randall L.	78-5	Prast, Arthur M.	79-90
Esquibel, Ignacio B.	78-217	Smith, Craig L.	79-96
Fong, Kenneth Sim	79-39	Smith, Gary T.	79-32
Gilbert, Houston Nash	79-12	Weber, Steven M.	78-171
Huber, Robert Christian	79-73		

MECHANICAL ENGINEER

Geller, Jack M. 78-626

ELECTRICAL ENGINEER

Moreaux, Francis J. 78-442

CIVIL ENGINEER

Pummill, Verl Ray 78-186

2. It was moved by Dr. Jimenez and seconded by Mr. Gookin that the following applicant be denied registration with neither prejudice nor refund at his own request. Motion carried.

MINING ENGINEER

Campbell, Charles William 79-623



State of Arizona
BOARD OF TECHNICAL REGISTRATION

04434

FOR ARCHITECTS, ASSAYERS, ENGINEERS, GEOLOGISTS, LANDSCAPE ARCHITECTS AND LAND SURVEYORS

1645 W. JEFFERSON, SUITE 315 • PHOENIX, ARIZONA 85007 • (602) 255-4053

The Honorable Bruce Babbitt
Governor's Office
1700 West Washington Street
Phoenix, Arizona 85007

Dear Governor Babbitt:

Under the Arizona Revised Statutes the State Board of Technical Registration is vested with the authority and responsibility for two major functions. The primary function of the board is to determine the qualifications required for registration as architects, assayers, engineers, geologists, land surveyors, and landscape architects and to grant registration to those applicants meeting the requirements of the Board. The second, lesser-known responsibility of the Board is an oversight function described and authorized by A.R.S. 32-128. In that section it is stated, among other things, that "the Board may take disciplinary action against the holder of a certificate under this chapter, charged with the commission of any of the following acts: gross negligency, incompetence, bribery, or other misconduct in the practice of his profession."

The section further provides that the Board has the authority to make investigations, employ investigators and conduct hearings to determine whether a license issued under this chapter should be revoked or suspended.

As you are well aware, the State of Arizona has been severely damaged by a series of floods which have destroyed bridges, obliterated subdivisions, consumed vital real property interests including a portion of the Phoenix international airport, and disrupted transportation in various locations throughout the State. 1980 is the third successive year such disasters have occurred. These disasters, though seeming to be Acts of God, have given rise to a swelling public concern, given credence by the Joint Legislative Oversight Committee for Sunset Review, that there may be negligence, incompetence, bribery or other misconduct associated with the practice of those responsible for the design, construction, operation and maintenance of bridges, reservoirs, and flood control facilities throughout the State.

It is the consensus of the State Board of Technical Registration that the time has come for the Board to conduct investigations and hold hearings pursuant to A.R.S. 32-128.B for the purpose of determining the validity of public concern about professional competence and further to establish a clear and factual record of responsibility for professional and technical decisions surrounding the design, construction, operation and maintenance of the bridges, reservoirs and flood control structures or systems which have yielded under the pressure of recent flood waters.

These structures and systems are, for the most part, products of some of the state's largest and most complex governmental institutions; and further, federal bureaus may be involved in the design process that produces these facilities. The Board has no interest, nor has it the authority, to conduct a study of the cause or to propose solutions to the problem. It is the consensus of the Board that we can best serve the public interest of the State of Arizona by conducting a fact-finding investigation into the design and operational processes and track the professional decisions that may have contributed to failure of expensive structures and destruction of valuable real property interests. Our society has never been so affluent that it can afford to build the same bridges year after year.

The Board is eminently qualified as a jury of peers to take on this mission, and the Arizona Revised Statutes place the responsibility within its purview. Relying as we do on application fees, renewal fees, and examination fees to provide funds for our operation, it is plainly evident that the Board has neither the staff nor the financial base to undertake a task of this importance and magnitude, and we recognize the futility of beginning the investigation unless it is certain that it can be carried to completion.

It is the considered opinion of this Board, in order to begin and fulfill the charge of the referenced statute, that a deeply versed hearing officer is necessary, assisted by an investigative attorney versed in water law and damage litigation, qualified hydrologists, civil engineers, structural engineers and geotechnical specialists, supported by sufficient clerical and investigative staff to maintain a constant hearing agenda and to assemble through court reporters day-by-day and week-by-week a complete factual record surrounding each and every failure. While the Board's interest is in professional performance, the public record that is generated by our hearing process can have an enormous impact on the public and professional decision-making process affecting future investment of public funds in new facilities and systems.

To embark upon such a program without the ability to follow through could be far worse than ignoring the problem. It is our aim to provide a valuable public service--one which only we can adjudicate. We will do everything possible through legal proceedings to conduct our hearings as expeditiously as possible and to work for a speedy resolution of our obligation to determine the facts.

Again, it is the Board's considered judgement that the investigation and hearings we recommend may cost in excess of one quarter of a million dollars. Since the Board does not have resources of this magnitude, we sincerely ask your advice and counsel before beginning to document a request to the legislature for a supplemental appropriation to support this investigation. We do not believe it is rational to proceed without the approval and support of your office. Your immediate attention to our modest proposal is earnestly solicited.

Sincerely,

STATE BOARD OF TECHNICAL REGISTRATION
(Signatures Affixed)

Governor Bruce Babbitt

Page 3

State of Arizona
BOARD OF TECHNICAL REGISTRATION

FOR ARCHITECTS, ENGINEERS, GEODETISTS, LANDSCAPE ARCHITECTS AND LAND SURVEYORS
1001 W. JEFFERSON SUITE 314 • PHOENIX, ARIZONA 85007 • (602) 255-4331

Chairman

Rod J. Gomez
Rod J. Gomez, P.E.

March 10, 1980

Vice Chairman

Kemper Goodwin F.A.I.A.
Kemper Goodwin, F.A.I.A.

Secretary

Wayne O. Earley
Wayne O. Earley, L.A.

Member

William S. Gookin
William S. Gookin, P.E.

Member

Rudolf A. Jimenez
Rudolf A. Jimenez, Ph.D., P.E.

Member

Jimmie R. Nunn
Jimmie R. Nunn, A.L.A.

Member

Charles E. O'Bannon
Charles E. O'Bannon, Ph.D., P.E.

Member

John B. Trimble
John B. Trimble, P.E.

Member

(Vacant--Architect)

- cc: Leo Corbet, Senate President
- Frank Kelley, Speaker of the House
- Rod McMullin, Senator, Chairman JLOC-Sunset Review
- Tony West, Representative, Vice Chairman JLOC-Sunset Review



State of Arizona
BOARD OF TECHNICAL REGISTRATION

FOR ARCHITECTS, ASSAYERS, ENGINEERS, GEOLOGISTS, LANDSCAPE ARCHITECTS AND LAND SURVEYORS
1645 W. JEFFERSON, SUITE 315 • PHOENIX, ARIZONA 85007 • (602) 255-4053

March 10, 1980

Mr. William A. Ordway, Director
Department of Transportation
206 South 17th Avenue
Phoenix, Arizona 85007

Dear Mr. Ordway:

You will recall that in November 1979 I called you seeking certain information relative to the flood disasters of 1978 and 1979. At that time you referred me to Mr. Ron Brechler of the Structures Section. On November 26, 1979 Mr. Rod Gomez, Chairman of the Board of Technical Registration, and I, in the capacity of its Executive Director, met with Mr. Brechler to discuss failures of the interstate highway bridges over the Salt and Agua Fria Rivers. Mr. Brechler indicated then that the failures of the I-17 bridges crossing the Agua Fria River had been investigated by in-house staff and that consultants had been employed to augment your in-house investigations. Moreover, we understood that your agency, acting upon instructions from the Attorney General's Office, had advised you and other personnel of the Arizona Department of Transportation not to discuss the designs and/or causes of the failures of I-17 bridges crossing the Agua Fria River because there was then pending a litigation in which the State of Arizona was the defendant. Accordingly, we were not then furnished nor have we subsequently received any information regarding the design, failures and reasons for failures of the I-17 bridges.

If you are at this time at liberty to reveal any of this material including the reports of your own staff and/or those received by you from outside consultants and the other data which is in your possession relative to the design of the I-17 bridges, we would welcome the opportunity to meet with you again to review the materials and to make specific requests.

With reference to the Interstate 10 bridge crossing the Salt River, we were advised that your staff had made a thorough investigation and had hired consultants to augment your in-house investigation. You were not in a position to furnish us with the findings of your internal studies or supporting data upon which those findings would be based. You did, however, make available to us two reports: one by Sverdrup & Parcel & Associates, Inc. and the other by Dames & Moore, a phased report which, in November, was still in preparation. We understood that later phases

State of Arizona
BOARD OF TECHNICAL REGISTRATION

Mr. William A. Ordway, Director
Department of Transportation

March 10, 1980
Page 2

of this work would be forwarded when it was available. To date we have received no further data from the Dames & Moore study.

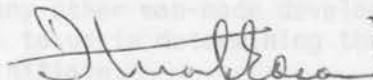
These reports, while going to some depth in reporting problems associated with scour of the river bed and shifting of channel, particularly the Salt River channel, do not develop much of the rationale for the design of the bridges in question. For example, neither report explained why spread footings were selected to support the bridge piers, nor have we been able to determine the reasoning for the location of the piers and abutments with respect to the river channel.

We would appreciate receiving the updates on either of the above reports concerning the I-10 and I-17 bridges crossing the Salt River and the Agua Fria River and the State Route 74 crossing the Agua Fria River. In addition, we would like to have copies of the contract drawings and specifications for each of the subject structures, the calculations, soil tests, hydrology reports and any other design criteria which was used as a basis for the design of the subject structures.

Upon receipt of this information, we would welcome the opportunity after review thereof to meet with you again to review specific questions concerning the basic data which was used as a basis for your designs.

Sincerely yours,

STATE BOARD OF TECHNICAL REGISTRATION



F. Mark Edson
Executive Director

cc: Senator Leo Corbet
Representative Frank Kelley
Senator Rod McMullin
Representative Tony West



State of Arizona
BOARD OF TECHNICAL REGISTRATION

04439

FOR ARCHITECTS, ASSAYERS, ENGINEERS, GEOLOGISTS, LANDSCAPE ARCHITECTS AND LAND SURVEYORS

1645 W. JEFFERSON, SUITE 315 • PHOENIX, ARIZONA 85007 • (602) 255-4053

March 6, 1980

Mr. Charles A. Ott, Jr., Director
Division of Emergency Services
State of Arizona
5636 East McDowell Road
Phoenix, Arizona 85008

Dear Mr. Ott:

The Board of Technical Registration has the oversight responsibility under A.R.S. 32-101-145 for providing for the safety, health and welfare of the public through the promulgation and enforcement of standards of qualification for individuals licensed as Architects, Assayers, Engineers, Geologists, Land Surveyors and Landscape Architects.

The recent flood disaster has resulted in damage or failure to many man-made structures designed by registrants licensed by the Board, and constructed, maintained and managed by other registrants of the Board and perhaps non-registered individuals also.

It is the Board's wish to identify as quickly as possible specifics concerning damaged structures from recent flood waters anywhere in the State of Arizona. It is our understanding that your office is assessing the damage in terms of economic loss, and if your report relates economic loss to specific locations of bridges, subdivisions, airport facilities, channel improvements, reservoir structures, or any other man-made development, item by item, the report would be very useful to us in determining the extent of the inquiries the Board is planning to initiate.

Could you furnish us with a copy of your assessment and any other related material which may be of value in defining the area of our inquiry.

Thank you for your cooperation.

Sincerely,

F. Mark Edson
Executive Director

REPORT OF THE EXECUTIVE DIRECTOR

We received a short list of four applicants for our two new application examiner positions. We interviewed on Tuesday, March 4, 1980. I re-hired Teri Taylor from this list and have asked Personnel for at least four more applicants before I make a decision on the remaining position.

I recieved a disturbing call from an unsuccessful land surveyor applicant, which I noted for his file. A copy of my file memo is attached. I include this memo for your information in the event calls should come to your offices.

We still have a backlog of work to catch up on which I judge is about 30 days as of this date. The renewal process has been haunted with Murphy's Law since last November. Due to my lack of knowledge concerning all the ramifications, our pre-occupation with Sunset Review and November examinations, we started late by including a newsletter (our only one to all our registrants). We used an outside contractor to stuff and mail. On delivery of the envelopes to the contractor, I learned that our envelope supplier had furnished an envelope with the window in the wrong location, and the window did not match the address printed on the notice. Our order was a special to match the forms. Our supplier accepted the error and produced what we needed in two weeks' time. Our notices finally got out early in December--four to five weeks late. As the checks began coming back, we lost two people, and a backlog in processing developed. As we completed work, it went to Data Processing for recording the fee, putting the person on an active list and printing his receipt and pocket card. Every two weeks we got out about 2,000 of these. We have about 6-800 left to do at this time. We sent Data Processing 12,000 receipt forms. When they had completed about 8,000, they informed us they were out of forms (March 4). No one has been able to locate the other 4,000, so we have ordered 3,000 more, which we will backcharge to Data Processing. Until the first run is completely processed (about March 14), we cannot run our active list or our second notice list. I am hopeful if legislature approves our triennial system that this year we will begin using an all-automated system, so that we initiate about 500 three-year renewals every two months. I am confident that with this change, the system can run smoothly. When we have a CRT terminal here in our office, we will be able to credit the fees, put names on an active list, and run the receipts on a weekly basis right from here. And we will receive material from Data Processing ready to mail with no other manual operations required for stuffing or affixing postage which we now do. Look for this, with legislative approval, about September 1981.

Applications as of March 1:	<u>1979</u>	<u>1980</u>
Professional	170	157
In-training	48	51



DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE
HEALTH SERVICES ADMINISTRATION

December 19, 1979

PHOENIX AREA
INDIAN HEALTH SERVICE
801 EAST INDIAN SCHOOL ROAD
PHOENIX, ARIZONA 85014

State of Arizona
Board of Technical Registration
1645 West Jefferson, Suite 315
Phoenix, Arizona 85007

RECEIVED

DEC 20 1979

STATE BOARD TECHNICAL REGISTRATION

Gentlemen:

The present operating rules of the Board of Technical Registration provokes an unexcusable inequity for all applicants whos applications are approved by the Board in December of each year. I am hereby tendering a formal complaint in hopes that during the proposed changes in the operating rules of the Board, this inequity can be eliminated.

Please note the following conditions that cause this problem.

1. The application fee includes registration for the year in which the application is approved. Renewal for the succeeding year is not required until December of the approval year.
2. The applicant must obtain a stamp which he/she required to use. A registrant is in violation of the code if he/she does not use the stamp. The stamp cannot be obtained until the applicant is approved by the Board and a registration number is issued.

These two conditions or rules are completely valid and are tolerable for applicants who receive approval in the first three quarters of the year. For applicants who are approved at the December Board meeting, these rules combine to provide a condition under which there is no opportunity to practice. The applicant is charged the fee for registration but is prohibited from exercising the priviledges for which he has paid. The problem is the timing, because by the time the number is issued, correspondence initiated, stamp ordered, stamp made and stamp sent to applicant, the month of December is gone. The applicant must then pay next year's fee before he can legally practice.

The conditions are similar for those registrants approved by the Board in September, but the September registrant can at least practice for a part of the year.

The following alternatives are offered to alleviate this inequity. There may also be other alternatives that could be considered by the board.

1. Allow the December approved applicants to be prepaid for the following year.
2. Reduce the application fee to exclude registration for all applicants who are to be approved in December. They would then pay the necessary registration fee for the following year.
3. Separate the application fee from the registration fee and have a sliding scale that accounts for the time remaining in the year to practice, this would amount to quarterly rates during the first year and annual rates thereafter.
4. Change the code that terminates all certificates on December 31st to terminate on the end of the month in which approval is given. This would distribute the renewal load throughout the year. If a three year registration period is approved as proposed, this would further distribute the administrative load.

Action should be taken to alleviate these conditions which require an applicant to pay for the privilege of working in the capacity of a professional and then prohibit that person from exercising that privilege that he has paid for.

Respectfully Submitted,


Lynn P. Wallace, P.E.

Chief, Technical Services Branch
Office of Environmental Health
Phoenix Area Indian Health Service

LPW:bcs

Very truly yours,

F. Herb Edson
Executive Director

KIMI ENGINEERS

RECEIVED
December 31, 1979

Lynn P. Wallace, P.E.
Chief, Technical Services Branch
Office of Environmental Health
Phoenix, Area Indian Health Service
801 East Indian School Road
Phoenix, Arizona 85014

Dear Mr. Wallace:

I acknowledge receipt of your letter concerning renewal fees and will bring it to the Board's attention at the next regular meeting in March. Permit me, however, to comment on your proposals from an administrative point of view.

First, the Board has recommended to the legislature that a triennial system be authorized by the statute and that the December 31 date not be included in the language of the law. If the legislature approves, then all our procedures will be changed, and your complaint will be moot.

Now, on your suggestions:

1. The Board has no statutory authority to waive payment of renewal fees for anyone except the Board members themselves (see A.R.S. 32-104). We have asked the legislature for authority to waive renewal fees for registrants who are retired and have reached age 70. We hope they will authorize this well deserved waiver.
2. There is no registration fee for the year of registration. All applicants pay either the in-state or out-of-state application fee, and all applicants receive their first registration free of charge.
3. The statute specifies that all registrations expire December 31 of each year unless renewed by payment of the renewal fee.
4. Board action granting you registration and assigning you a number qualifies you to practice in your field. You are not prohibited except by non-renewal of your registration.

Very truly yours,

F. Mark Edson
Executive Director

KMI ENGINEERS

Consulting Engineers

10905 LAUREL AVE. - SANTA FE SPRINGS, CALIF. 90670

(213) 941-2233

RECEIVED

JAN 7 0 1980

STATE BOARD TECHNICAL REGISTRATION

January 28, 1980

State of Arizona
Board of Technical Registration
1645 W. Jefferson, Suite 315
Phoenix, AZ 85007

Attention: Mr. F. Mark Edson, Executive Director

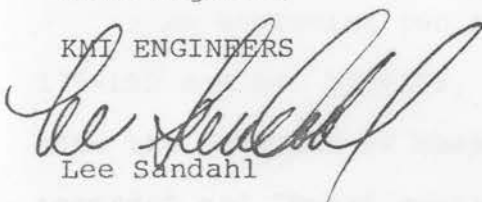
Gentlemen:

I wish to take this opportunity to thank the gentlemen of the Board for their time and effort in reviewing my application for registration as a Professional Mechanical Engineer in your great state.

I understand that the Board serves without any compensation and, therefore, it is more deeply appreciated. We wish to thank you for your time, effort and consideration that was shown to me during the application time and the interview.

Best regards,

KMI ENGINEERS



Lee Sandahl

LS:wk





Attorney General
STATE CAPITOL
Phoenix, Arizona 85007

Robert E. Corbin

February 1, 1980

MEMORANDUM

TO: Agriculture & Horticulture Commission
Arizona Historical Society
Athletic Commission
State Chemist
Chiropractic Examiners Board
Dental Board
Dispensing Opticians
Fruit & Vegetable Standardization
Liquor Board
Livestock Sanitary Board
Mine Inspector
Optometry Board
Osteopathic Examiners Board
Parks Board
Pesticide Control Board
Pharmacy Board
Podiatry Board
Racing Commission
Structural Pest Control Board
Technical Registration Board ✓
Veterinary Medical Examiners Board

FROM: David W. Ronald
Michael W. Sillyman

I am enclosing two Attorney General Opinions, No. I79-192 and No. I79-295, for your information. Please note the portions of these opinions dealing with "public records" and "Board meetings".

If you have any questions, please feel free to call.

Michael W. Sillyman *David W. Ronald/mjb*

DWR:MWS:mjb
enclosures

Attorney General
STATE CAPITOL
Phoenix, Arizona 85007

Robert R. Corbin

July 10, 1979

Mr. Lawrence Ollason
Special Deputy County Attorney
for School Affairs
Pima County Attorney's Office
182 North Court Avenue
Tucson, Arizona 85701

Re: 179-192 (R79-182)

Dear Mr. Ollason:

We have reviewed your June 14, 1979 opinion addressed to Thomas E. Neel, Superintendent of Amphitheater Public Schools, concerning changes of agenda at school board meetings and the superintendent's authority to conduct feasibility studies for bond issues. The following is a revision of that opinion.

Dr. Neel's first question is whether a school board may introduce and take action on an item which is not on the published agenda when a majority of the members present vote to add a new item. As pointed out in your opinion, Op. Atty. Gen. No. 78-1 states that the Open Meetings Act implicitly requires subject matter notice because "a meeting can hardly be termed open unless the public knows of its time and place and subject matter to be considered." While this opinion did not discuss whether a public body could take action on an item that is not part of its published agenda, this issue was later addressed in Op. Atty. Gen. No. 79-45 which held:

The Arizona notice statute [A.R.S. § 38-431.02] requires 24 hours' advance notice. If the posted notice to the public must be changed to reflect additional matters to be considered by the school board, the meeting must either be postponed or the "actual emergency" justifying the less than 24 hours' notice must be explained in the notice given or in the minutes of the meeting at which the actual emergency arises.

Mr. Lawrence Ollason
July 10, 1979
Page 2

Therefore, unless an actual emergency requires addition of an agenda item, ~~any action on a subject not contained in the posted agenda must be delayed to allow a minimum of 24 hours' public notice.~~¹

Dr. Neel's second inquiry concerning his authority to conduct a feasibility study of a possible bond issue is dependent upon the provisions of his employment contract with the school district. If the contract is silent with respect to such authority and the study will result in the expenditure of district funds, Dr. Neel should seek specific authorization from the district governing board.

Sincerely,

Bob Corbin

BOB CORBIN
Attorney General

BC/mm

1. Op. Atty. Gen. 79-49 reaffirms the need for a public body to give reasonable notice of the subject matter to be considered at its meetings.



Attorney General
STATE CAPITOL
Phoenix, Arizona 85007

Robert R. Corbin

August 10, 1979

Suzanne Dandoy, M.D., M.P.H.
Director
Arizona Department of Health Services
1740 West Adams Street
Phoenix, AZ 85007

Re: I79-215 (R78-315)

Dear Dr. Dandoy:

In your letter of October 26, 1978, you posited several questions, summarized as follows, for our consideration:

1. Does information containing trade secrets or proprietary material, when voluntarily disclosed to a state agency by a private party, constitute a "public record or other matter" pursuant to A.R.S. §§ 39-121 through 39-122?
2. If such information is a "public record or other matter", can public access to that information be restricted?
3. If access can be restricted, may the party providing the information dictate the limits of access?

A.R.S. § 39-121 provides as follows: "~~Public records and other matters in the office of any officer at all times during office hours shall be open to inspection by any person.~~" The meaning of the terms "public records" and "other matters" has been discussed both in court cases^{1/} and in numerous opinions of this office, the most comprehensive of which, Ariz. Att'y Gen. Op. No. 76-43, is enclosed for your information. ~~In that opinion we said that "writings coming into the hands of public officials in connection with their public duties would be part of 'other matters' discussed in the statute".~~ Clearly, the information you describe is information obtained by state officials in connection with their public duties, irrespective of its voluntary disclosure, and thus qualifies as "other matters" for purposes of A.R.S. § 39-121.

Suzanne Dandoy, M.D., M.P.H.
August 10, 1979
Page 2

In an earlier opinion of this office directed to the Department of Health Services, Ariz. Att'y Gen. Op. No. 76-293, which addressed issues substantially similar to those presented here, we noted that not all information which comes within the purview of A.R.S. § 39-121 is subject to public inspection:

~~It must be remembered, however, that the public's right to inspect public records and other matters is not without qualification. Information contained in these records may be treated as confidential where a statute specifically declares them to be confidential or the material in the record is of such a nature that it would be against the best interests of the State to permit disclosure. See Mathews v. Pyle, 75 Ariz. at 80, 251 P.2d at 896. This "best interests" determination is, of course, made in the first instance by the agency having custody of the record. Any doubts should be resolved in favor of public disclosure. The agency should keep in mind that any decision denying access to a record is subject to judicial review under A.R.S. § 39-121.02, and that the reviewing court may assess the agency with court costs and attorneys fees and resulting damages for a wrongful denial.~~

* * *

. . . [i]t should be noted that Arizona's public records laws do not expressly provide an exemption for "trade secrets". However, it may be appropriate in limited situations for the Department under the forgoing [sic] "best interests of the state" test to determine that [certain information] submitted to the Department must be treated as confidential.^{2/}

1. The leading case is Mathews v. Pyle, 75 Ariz. 76, 251 P.2d 893 (1952).

2. See also Runyon v. Board of Prison Terms and Paroles, et al., 26 Cal.App.2d 183, 79 P.2d 101 (1938), which states:

[I]n another class of cases, public policy demands that certain communications and documents shall be treated as confidential and therefore are not open to indiscriminate inspection, notwithstanding that they are in the custody of a public officer or board and are of a public nature.

Suzanne Dandoy, M.D., M.P.H.
August 10, 1979
Page 3

In answer to your second question, then, it is possible for an agency to restrict access to public information if the best interests of the state will be served by so doing.^{3/}

In Ariz.Att'yGen.Op. No. 76-43, we said:

Determination that a record is a public record or other matter and available for public scrutiny must first be made by the officer or agency who is the custodian of the record sought to be obtained. This determination is then subject to judicial scrutiny, Mathews v. Pyle, supra; Op. Att'y Gen. No. 70-1.

We also noted in Ariz.Att'yGen.Op. No. 76-293 that a person disclosing information to a public agency cannot make his communication confidential simply by labeling it as such. Thus, to answer your third question, the party providing the requested information cannot dictate disclosure limitations.

Sincerely,

Bob Corbin
BOB CORBIN
Attorney General

BC/mm

3. In the situation you describe, it may well be that the Department needs to solicit this information from private parties to intelligently discharge its functions and that "necessariy much of the information thus obtained can be hand only upon the understanding that the persons furnishing the same will be protected and that the information imparted will be treated as confidential." Runyon v. Board of Prison Terms and Paroles, 79 P.2d 101 at 102 (Cal.App. 1938).

ASSOCIATION OF PROFESSIONAL GEOLOGICAL SCIENTISTS

04451

formerly

AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS

Board of Technical Registration GENERAL HEADQUARTERS

Mailing address:

P. O. Box 957
Golden, CO 80401

Telephone: (303) 279-0026

Office location:

622 Gardenia Court
Golden, CO 80401

We propose a group of three AIPG members to serve the Section President to serve 2-year terms. One individual will serve only 1 year, allowing for continuity when the others are replaced. Each member would be a geological specialist (Exploration, Hydrogeology, Seismology, etc.). One member would be an officer of the Section (President, Vice-President, Secretary-Treasurer).

February 22, 1980

State of Arizona
Board of Technical Registration
1645 W. Jefferson
Suite 315
Phoenix, Arizona 85007

Attention: Mr. F. Mark Edson

Dear Mr. Edson:

Pursuant to our meeting on November 20, 1979, we are pleased to offer the services of the Arizona Section of the American Institute of Professional Geologists (AIPG). It is recognized that the status of registration of geologists in Arizona is presently under review by the Legislature. If the State Board of Technical Registration is relieved of the responsibility for registering geologists, this letter will serve no purpose. However, until the law is changed, we feel that AIPG can assist the Board in its duties regarding registration of geologists.

We believe the technical qualifications of geologists can only be fairly judged by persons trained and experienced in the practice of geology. AIPG is an organization composed of practicing professional geologists. In the absence of geologist members of the Board, we offer the services of AIPG members to:

1. review the adequacy, breath of coverage, depth of content, and accuracy of examination questions; and
2. review the qualifications of geologist candidates.

It is understood that both of these functions would be advisory and our recommendations would not be binding on the Board.

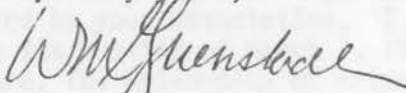
Board of Technical Registration
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We propose a group of three AIPG members be appointed by the Section President to serve 2-year terms. One individual would initially serve only 1 year, allowing for continuity when the other two members are replaced. Each member would be of a different geological speciality (exploration, hydrogeology, seismology, etc.). At least one would be an officer of the Section (President, Vice-President, Secretary-Treasurer).

We are cognizant of the need for security in such matters and assure you of our adherence to confidentiality.

It is our desire to serve the citizens of Arizona by making the registration of geologists fair and equitable. We stand ready to assist the Board in any way possible.

Very truly yours,



William M. Greenslade
 President,
 Arizona Section of AIPG

WMG/lt

cc: Mr. Paul A. Manera
 Dr. Richard W. Rush

February 29, 1980

Mr. William M. Greenslade
Association of Professional Geological Scientists
P. O. Box 957
Golden, Colorado 80401

Dear Mr. Greenslade:

Thank you for your letter of February 22, 1980 regarding advisory services to the Board by your association. I am recommending to the Board at its meeting of March 7, 1980 at the College of Architecture, The University of Arizona, Tucson, Arizona that our discussions continue until we have a working relationship. I view your offer as a very responsible and constructive proposal and one which can improve the Board's performance in the Geological field.

Regarding legislative action, I am hopeful that strong presentations by Geologists, Assayers and Landscape Architects and their clients will result in restoring these disciplines through a successful amendment to HB2092. For your information, I am enclosing a copy of that bill and suggested Board recommendations of refinements.

Very truly yours,

F. Mark Edson
Executive Director

vbn
Enclosures

cc: Mr. Paul A. Manera
Dr. Richard W. Rush