State of South Carolina

TENTH ANNUAL REPORT
of the
State Board of
Engineering Examiners
to the
GOVERNOR

1932

For Year Ending June 30, 1932
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TENTH ANNUAL REPORT
of the
State Board of Engineering Examiners
to the
GOVERNOR

1932

For Year Ending June 30, 1932
Letter of Transmittal
TO THE GOVERNOR

COLUMBIA, S. C., August 31, 1932.

To His Excellency, Hon. Ibra C. Blackwood,
Governor of South Carolina,
Columbia, S. C.

Sir:

In compliance with Section 6, of an Act providing for the creation of a State Board of Engineering Examiners and regulating the practice of engineering in the State of South Carolina, we have the honor to transmit this Tenth Annual Report of the activities of the Board, together with a statement of receipts and expenditures and a list of those registered in accordance with the Act.

The Board desires to express its appreciation of the cooperation and assistance received from your office and other State departments.

Respectfully submitted,

STATE BOARD OF ENGINEERING EXAMINERS,
Geo. R. Morgan, Chairman.

Attest:
T. Keith Legarde, Secretary.
Personnel of South Carolina State Board of Engineering Examiners

GEORGE R. MORGAN, Chairman, Greenville
Sales Engineer

W. S. TOMLINSON, Vice-Chairman, Columbia
City Engineer, City of Columbia
President, Tomlinson Engineering Company
Member, American Society of Municipal Engineers
Member, South Carolina Society of Engineers

T. KEITH LEGARE, Secretary, Columbia
Traffic Engineer, State Highway Department
Secretary, National Council State Boards of Eng. Exmrs.
Member, American Society of Civil Engineers
Member, American Society of Municipal Engineers
Member, South Carolina Society of Engineers

L. S. LETELLIER, Charleston
Head, Department of Engineering,
The Citadel, Military College of South Carolina
Member, South Carolina Society of Engineers

G. E. SHAND, Columbia
President, Shand Engineering & Sales Company
Member, South Carolina Society of Engineers

Office of Board
1226 Sumter Street, Columbia, S. C.
P. O. Drawer 1404.
REPORT

of the

State Board of Engineering Examiners

ACTIVITIES OF THE BOARD

During the past year two regular meetings were held by the Board. The July 14, 1931, meeting and the December 1, 1931, meeting were held in Columbia. Six engineers and one naval architect were approved for registration at these meetings. As of September 1, 1932, there were 136 registered professional engineers, 18 registered land surveyors, and one registered naval architect in good standing in South Carolina.

On account of the unemployment situation many engineers have not been in position to renew their registration this year, however, it is expected that all professional engineers who are required by the Act to be registered will remit their renewal fees as soon as they resume engineering work. The Board has no authority to either decrease the amount nor to discontinue the payment of the annual renewal fee, as it is required by the registration Act and is necessary to finance the administration of the Act, since no appropriation is made for this purpose by the State Legislature. The tabulation of a questionnaire sent out two years ago indicated that the cost of administering the engineering registration Act in South Carolina was much less than in other States, however, the Board at its last meeting took steps to further decrease expenses by the reduction of salaries and the elimination of national convention expenses of the Secretary.

MEETINGS, FEES, RENEWALS, ETC.

Regular meetings of the Board are held on the second Tuesday of July and the first Tuesday of December of each year. All applications for registration must be made out on blanks furnished by the Board, accompanied by the required fee and filed with the Secretary of the Board at least ten days before meetings. The fee of $15.00 required by law before an applicant can be admitted to examination will not be returned after candidate has taken examination irrespective of whether he passes or fails; nor will fee be returned if candidate fails to appear after being duly notified to report for examination, but the Board may at its discretion admit the candidate to a subsequent examination without additional fee.

All certificates of registration expire on June 30th of each year and those who continue to practice after that date without renewal will be violating the law. The annual renewal fee of $5.00 for engineers and $3.00 for land surveyors is payable on or before
the 3rd Tuesday of June. Only one fee of $5.00 is required when classification includes both engineer and surveyor. Registrations automatically revoked because of non-payment of renewal fees can be reinstated upon payment of all unpaid annual renewal fees; provided, however, that the Board reserves the right to review the records of delinquent registrants to determine their eligibility and, if deemed advisable, to require examinations of these applicants. The Board, for reasons it may deem sufficient, may reissue a certificate of registration to any person whose certificate has been revoked.

HISTORY OF SOUTH CAROLINA ACT

The Act providing for the creation of the State Board of Engineering Examiners and the registration of professional engineers and land surveyors was passed by the State Legislature of South Carolina at the 1922 session and was approved by Governor R. A. Cooper on March 22, 1922. The Act, as now amended, was approved by Governor John G. Richards on March 10, 1928.

The members of the Board were appointed and commissioned by Governor Wilson G. Harvey on May 31, 1922, and were as follows: G. E. Shand of Columbia, George Wrigley of Greenville, L. S. LeTellier of Charleston, W. S. Tomlinson of Columbia, and T. Keith Legare of Columbia.

The Board held its first meeting in Columbia on June 17, 1922, and was organized by the election of officers and the appointment of committees. The present officers and members of the Board are given on page four. Mr. Wrigley resigned as a member of the Board and George R. Morgan of Greenville was appointed by the Governor.
Financial Statement

STATEMENT OF RECEIPTS AND DISBURSEMENTS
July 1, 1931 to June 30, 1932

Cash Balance, July 1, 1931 .................. $ 860.25

Receipts:
  Registration and Renewal Fees .................. 1,060.00
  $1,920.25

Disbursements:
  Requisitions on Comptroller General .......... $1,394.04
    Check Tax ..................... 1.02
  Cash Balance, June 30, 1932 ................. 526.19
  $1,920.25

ANALYSIS OF DISBURSEMENTS
July 1, 1931 to June 30, 1932

Salaries (Secretary) .................. $ 600.00
Per Diem of Board Members ................. 90.00
Clerical Help ................... 240.00
Travel ....................... 182.06
Printing and Advertising .................. 192.63
Insurance ................... 15.00
Office Supplies .................. 23.35
Association Dues ................ 50.00
Refund—Fee ................... 1.00
$1,394.04

Hon. Albert S. Fant, State Bank Examiner,
Columbia, South Carolina.

Dear Sir:
In compliance with the law we have audited the accounts of the Board of Engineering Examiners covering the period beginning July 1, 1931, and ending June 30, 1932.
The accounts were found to be in good condition and all cash of record chargeable to the Secretary properly accounted for.
Respectfully submitted,
J. M. Smith,
State Auditor.

STATE OF SOUTH CAROLINA,  
County of Greenville.

I, Geo. R. Morgan, Chairman of the State Board of Engineering Examiners, do hereby certify that the financial statement herewith rendered of the State Board of Engineering Examiners is true to my own knowledge, except those matters and facts stated on information and belief, and as to those, I believe it to be true.

Geo. R. Morgan.

Subscribed and sworn to before me this 31st day of August, 1932.

Frances Williams,
Notary Public for S. C.

STATE OF SOUTH CAROLINA,  
County of Richland.

I, T. Keith Legare, Secretary of the State Board of Engineering Examiners, do hereby certify that the financial report herewith rendered is a correct statement of the finances of the State Board of Engineering Examiners for the period specified.

T. Keith Legare.

Subscribed and sworn to before me this 31st day of August, 1932.

Wm. A. Crary, Jr.
Notary Public for S. C.
# Roster of Registered Engineers and Land Surveyors

Authorized to Practice in the State of South Carolina as of August 31, 1932.

**NOTE**—IMPORTANT THAT SECRETARY BE NOTIFIED OF CHANGE IN POSITION OR ADDRESS. 
Key to abbreviations in classification: C.E., Civil Engineer; E.E., Electrical Engineer; E.M., Mining Engineer; M.E., Mechanical Engineer; L.S., Land Surveyor; N.A., Naval Architect.

<table>
<thead>
<tr>
<th>Name and Position</th>
<th>Address</th>
<th>Classification</th>
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<th>Certificate No.</th>
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<tr>
<td>ALLEN, E. L., Civil Engineer.</td>
<td>144 E. Henry St. Spartanburg, S. C.</td>
<td>C.E., L.S.</td>
<td>7-12-32</td>
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<tr>
<td>ANDERSON, JOHN, Prof. Civil Engineering, The Citadel</td>
<td>Charleston, S. C.</td>
<td>C.E.</td>
<td>9-14-22</td>
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<td>ANDERSON, PAUL H., Civil Engineer.</td>
<td>Woodruff, S. C.</td>
<td>C.E., L.S.</td>
<td>7-12-32</td>
<td>376</td>
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<tr>
<td>BAILEY, O. A., Chief Engr., Chicago Bridge &amp; Iron Works.</td>
<td>1305 West 105th St., Chicago, Ill.</td>
<td>C.E.</td>
<td>11-19-23</td>
<td>277</td>
</tr>
<tr>
<td>BALDWIN, C. M., Civil Engr., Atlantic Coast Lumber Corp.</td>
<td>205 Dozier St., Georgetown, S. C.</td>
<td>C.E., L.S.</td>
<td>9-14-22</td>
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<tr>
<td>BECKHAM, W. K., Maintenance Engr., State Highway Dept.</td>
<td>3214 Monroe St., Columbia, S. C.</td>
<td>C.E., L.S.</td>
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<td>BEEBE, HARWOOD, Municipal and Civil Engineer.</td>
<td>Montgomery Bldg., Spartanburg, S. C.</td>
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<td>Bellinger, Harry O'B.</td>
<td>Asst. City Engineer.</td>
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<td>Bishop, Roy P.</td>
<td>Town Manager.</td>
<td>Salem, Va.</td>
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<td>Boone, L. C.</td>
<td>County Engineer, Orangeburg County</td>
<td>Orangeburg, S. C.</td>
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<td>Boykin, A. B.</td>
<td>Land Surveyor.</td>
<td>P. O. Box 53, Camden, S. C.</td>
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<td>Boykin, L. W., Jr.</td>
<td>Civil Engineer and Land Surveyor</td>
<td>Aiken, S. C.</td>
<td>C.E., L.S.</td>
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<td>Bursley, Harold B.</td>
<td>Chief Engr., E. S. Draper.</td>
<td>2038 Beverly Drive, Charlotte, N. C.</td>
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<tr>
<td>Cannon, O. B.</td>
<td>Supt. of Newberry Schools and Surveyor</td>
<td>P. O. Box 366, Newberry, S. C.</td>
<td>L.S.</td>
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<td>Name</td>
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<td>CHEWNING, C. C.</td>
<td>Walterboro, S. C.</td>
<td>Engineer and Surveyor</td>
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<td>CHRISTENSEN, ARTHUR O.</td>
<td>Beaufort, S. C.</td>
<td>Registered Surveyor</td>
<td>E.M., L.S.</td>
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<tr>
<td>DAWSON, LOUIS Y.</td>
<td>P. O. Box 535, Charleston, S. C.</td>
<td>Const. Engr., S. C. Power Co.</td>
<td>C.E., L.S.</td>
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<td>DAWSON, L. Y., Jr.</td>
<td>21 Broad St., Charleston, S. C.</td>
<td>Vice-Pres. Dawson Engineering Co.</td>
<td>C.E., L.S.</td>
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<td>DINGLE, J. H.</td>
<td>City Hall, Charleston, S. C.</td>
<td>City Engineer</td>
<td>C.E., L.S.</td>
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<td>DUNBAR, THOMAS E.</td>
<td>29 Brunswick St., Newark, N. J.</td>
<td>Civil Engr. and Land Surveyor</td>
<td>C.E., L.S.</td>
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<tr>
<td>ERVIN, A. L.</td>
<td>P. O. Box 3, Florence, S. C.</td>
<td>Engineer, Adams &amp; Ervin</td>
<td>C.E., L.S.</td>
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<td>EVANS, R. M.</td>
<td>703 W. Main St., Bennettsville, S. C.</td>
<td>Civil Engr. and Land Surveyor.</td>
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<td>Engineering and Land Surveying.</td>
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<td>HOLMAN, A. E.</td>
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<td>5571 Gadsden Court,</td>
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<td>Sec'y, State Bd. Engineering Examiners.</td>
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<td>LeTELLIER, L. S.,</td>
<td>Head, Dept. of Engineering, The Citadel, Member, State Bd. of Engineering Examiners.</td>
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LEVER, S. R.,
Res. Engr., Parker Laboratory.

LEWIS, W. S.,
Civil Engr., State Highway Commission.

LINDER, THOS. T.,
Registered Surveyor.

LINDSAY, Wm., Jr.
Engr., J. E. Sirrine & Co.

MAHAFFEY, L. M.
County Supt. of Education & Surveyor.

MANHEIM, C. M.,
Asst. Engr., Johnson & Roberts.

MARSH, M. R.,
Architect and Engineer.

MATTHEWS, J. D.,
Civil Engineer.

MAYRANT, W. R.,

MITCHELL, W. L.,
Land Surveyor.

MOORE, H. A.,
Surveyor, J. T. Kollock, Inc.

MOOREFIELD, CHAS. H.,
State Highway Engineer.

MORGAN, B. A., Jr.,
Civil Engineer.

P. O. Box 1491,
Knoxville, Tenn. C.E. 6-19-23 267

305 Bath St.,
Clifton Forge, Va. C.E. 3-22-23 160

Route 1,
Spartanburg, S. C. L.S. 3-22-23 154

Greenville, S. C. C.E., L.S. 3-22-23 158

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Box 342,
Balboa, Canal Zone. C.E., L.S. 12-1-31 373
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<td>NEEDLE, JOE</td>
<td>Box 1562, Station A., Chattanooga, Tenn.</td>
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<td>NIMITZ, ARTHUR E.</td>
<td>Montgomery Bldg., Spartanburg, S. C.</td>
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<td>O'DELL, T. W.</td>
<td>412 E. Bay St., Savannah, Ga.</td>
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<td>OTTO, OLAFF</td>
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<td>PALMER, JOSEPH</td>
<td>Civil Engineer</td>
<td>405 W. Hampton Ave.</td>
<td>Sumter, S. C.</td>
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<td>PARKER, J. L.</td>
<td>Consulting Engineer</td>
<td>602 Peoples Bank Bldg.</td>
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<td>POSTELL, JAS. A.</td>
<td>Land Surveyor</td>
<td>R. F. D., Ravenels, S. C.</td>
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<td>PRETTYMAN, C. F.</td>
<td>Civil Engineer and Land Surveyor</td>
<td>P. O. Box 225</td>
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<td>QUATTLEBAUM, McQUEEN</td>
<td>Quattlebaum Ice &amp; Fuel Co.</td>
<td>Johnston, S. C.</td>
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<td>RAMBO, S. B.</td>
<td>City Engineer</td>
<td>City Hall, Greenwood, S. C.</td>
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<td>RICE, B. P.</td>
<td>County Manager</td>
<td>Box 383,</td>
<td>Florence, S. C.</td>
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<td>RICHARDSON, JOHN</td>
<td>Pres. &amp; Mgr., Richardson Construction Co.</td>
<td>P. O. Box 694,</td>
<td>Charleston, S. C.</td>
<td>3-22-23</td>
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ROBERTS, C. P.,
Johnson & Roberts, Consulting Engineers.

ROBERTS, J. F.,

RODGERS, Wm. SINCLAIR,
Dist. Supt., Broad River Power Co.

ROWE, WALTER E.,
Dean, School of Engineering Univ. of S. C.

SAMS, JAMES H., Jr.,
Asst. Prof., Mechanical Engineering.

SCRUGGS, E. L.,
Engineer, Lancaster Cotton Mills.

SCRUGGS, J. Y.,
County Engineer.

SHAND, G. E.,
Pres. Shand Engineering & Sales Co.
Member, State Bd. of Engineering Examiners.

SHANNON, JAMES R.,
Lago Petroleum Company.

SHAW, H. W.,
Surveying and Drainage.

SHEARER, Wm. H.,
Civil Engineer and Surveyor.

SHULER, E. H.,
Asst. Prof. of Math., Wofford College.

SIRRINE, J. E.,
J. E. Sirrine & Co., Engineers.

Marion, S. C.
C. E., L.S.
3-22-23
239

P. O. Box 531,
Orangeburg, S. C.
C. E.
3-22-23
194

2925 Wheat St.,
Columbia, S. C.
E. E., M. E.
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Columbia, S. C.
C. E.
12-1-25
298

P. O. Box 93,
Clemson College, S. C.
E. E., M. E.
12-3-29
347

1320 Elizabeth Ave.,
Charlotte, N. C.
C. E.
1-15-28
321

P. O. Box 200,
Rock Hill, S. C.
C. E.
3-22-23
241

705 Lady St.,
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C. E., M. E.
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Apartado 172,
Maracaibo, Venezuela, S. A.
M. E.
10-6-31
371

Route 2,
Bishopville, S. C.
C. E., L. S.
6-17-24
284

506 Marshall Ave.,
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126 E. Cleveland St.,
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South Main St.,
Greenville, S. C.
C. E., L. S.
12-5-22
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<td>Stribling, H.</td>
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<td>Sudlow, Harry</td>
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<td>Commissioner of City Planning</td>
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<td>Tallmadge, Webster</td>
<td>Steam Engineering Specialist</td>
<td>255 N. 18th St.,</td>
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<td>thomson, B. M.</td>
<td>Assistant City Engineer</td>
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TOWLES, V. E.,

WALLACE, W. G.,
Assistant Lighthouse Engineer.

WANNAMAKER, C. W.,
Civil Engineer.

WANNAMAKER, H. L.,
Supt. of Const., Simons-Mayrant Co.

WANNAMAKER, W. W., Jr.
Wannamaker & Wells, Inc.

WELLWOOD, ARTHUR R.,

WESTON, JULIAN B.,
Asst. Engr., Sanitary and Drainage Comm.

WESTON, WILLIAM C.,
Field Engr., State Board of Health.

WHITE, GUY H.,
Supt. of Water Plant, City of Columbia.

WHITE, GEO. W.,
Harwood Beebe Co., Consl. Engrs.

WHITE, HIRAM H.,
Real Estate.

WHITFIELD, W. A.,

WIEDEMANN, H. F.,
Consl. Engr., Wiedman & Singleton.

State Office Bldg., Columbia, S. C.

9 Ladson St.,
Charleston, S. C.

Box 66,
Saluda, S. C.

5 Halsey St.,
Charleston, S. C.

P. O. Box 516,
Orangeburg, S. C.

Carolina Life Building,
Columbia, S. C.

39 Broad St.,
Charleston, S. C.

State Office Bldg.,
Columbia, S. C.

Filtration Plant,
Columbia, S. C.

Montgomery Bldg.,
Spartanburg, S. C.

258 E. White St.,
Rock Hill, S. C.

P. O. Box 826,
Asheville, N. C.

1404 Candler Bldg.,
Atlanta, Ga.
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<td>WINTER, JAMES A.</td>
<td>Peoples Bank Building</td>
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<td>Land Surveyor, Winter &amp; Holland Co.</td>
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South Carolina Registration Law

Approved March 22, 1922: Amended March 10, 1928.

An Act Providing for the Creation and Establishment of a State Board of Engineering Examiners, Granting Certain Powers to and Prescribing the Duties of Said Board; Providing for the Examination and Registration of Land Surveyors and Professional Engineers, Regulating the Practice of Engineering in the State of South Carolina and Providing Penalties for the Violation of this Act.

Section 1. That in order to safeguard life, health and property, any person practicing or offering to practice professional engineering or land surveying hereafter in this State shall be required to submit evidence that he or she is qualified so to practice, and shall be registered as hereafter provided; and that it shall be unlawful for any person to practice or to offer to practice professional engineering or land surveying in this State unless such person, has been duly registered as a professional engineer or land surveyor, or has been exempted from registration under the provisions of this Act. Provided, That the provisions of this Act shall not apply to land surveyors unless they desire to hold themselves out as “registered land surveyors.”

Section 2. Under no circumstances shall the total amount of warrants issued by the State Auditor in payment of the expenses and compensations provided in this Act exceed the amount of the examination and registration fees collected as herein provided.

Section 3. As used in this Act:
   (a) The “Board” means the State Board of Engineering Examiners provided for by this Act.
   (b) “Surveyors.” Any person who shall be engaged in locating, establishing or relocating any land boundary line between two or more land owners, or who shall be engaged in locating any United States Government, State, County, Township or Municipal land survey lines, or the lines of any public streets or roads, is hereby declared to be a Surveyor and as practicing land surveying within the provisions of this Act.
   (c) Any person who shall be engaged in the designing or supervising of the construction, enlargement or alteration of any engineering structure, or utilities, as hereafter defined, or any part thereof for others and to be constructed by persons other than himself, shall be regarded as practicing Professional Engineering within the meaning of this Act. The practicing of professional engineering within the meaning of this Act embraces the design and the supervision of the construction of public and private utilities, such as railroads, bridges, highways, roads, canals, harbors, river improvements, lighthouses, wet docks, dry docks, ships, barges, dredges, cranes, floating docks and other floating property, the design and the supervision of the construction of steam engines, turbines, internal combustion engines and other mechanical structures, electrical machinery and apparatus, and of works for the development, transmission or application of power, the designing and the supervision of mining operations and of processes and apparatus for carrying out such operations, and the design and supervision of the construction of municipal works, irrigation works, water supply works, sewerage works, drainage works, industrial works, sanitary works, hydraulic works and structural works and of other public or private utilities or works which require for their design or supervision of the construction such experience and technical knowledge as are required in Section 8 of this Act. The execution as a contractor of works designed by a profes-
sional engineer or the supervision of the construction of such work as a tore-
man or superintendent for such a contractor shall not be deemed to be the
practice of professional engineering within the meaning of this Act.

(d) "Engineer" means any person who practices professional engineering,

Section 4. There is hereby created a State Board of Engineering Exam-
iners consisting of five members to be appointed by the Governor within sixty
(60) days after the passage of this Act. Three members of the Board shall
be civil engineers, one a mining or electrical engineer, and the other one a
mechanical engineer or naval architect. Of the members of the Board first
appointed hereunder two shall hold office for a term of two years, two shall
hold office for a term of three years, and one shall hold office for a term of
four years, each term of office ending the first day of July. Upon expiration
of each such terms the term of office of each member thereafter appointed shall
be four years. Each member shall hold over the expiration of his term until
his successor shall be duly appointed and qualified. The Governor may remove
any member of the Board for misconduct, incapacity or neglect of duty.
Vacancies in the Board caused by death, resignation or removal from office
shall be filled by appointment by the Governor for the unexpired term. Each
member of the Board shall be a professional engineer of at least ten years
active experience and of recognized good standing in his profession and shall
be at least thirty-five years of age and shall have been a resident of this State
for at least three years immediately preceding his appointment. Each member
of said Board, except the members first appointed hereunder, shall also be
registered as a professional engineer under this Act. The members of the
Board shall receive as compensation the sum of ten ($10.00) dollars per day
for the time actually spent in traveling to and from and in attending sessions
of the Board and its committees, and each member shall receive all necessary
expenses incident to the performance of his duties under this Act.

Section 5. Every member of the Board shall receive a certificate of his
appointment from the Governor and before beginning his term of office shall
file with the SECRETARY OF STATE his written oath for the faithful dis-
charge of his official duty. Each member of the Board first appointed here-
under shall receive a certificate of registration under this Act from said
Board. The Board shall adopt and have an official seal. The Board may
make all by-laws and rules not inconsistent with law needed in performing its
duties; but no by-laws or rule by which more than a majority vote is re-
quired for any specified action by the Board shall be amended, suspended or re-
pealed by a smaller vote than that required for action thereunder.

Section 6. The Board shall annually elect from its members a chairman,
a vice-chairman and a secretary. The secretary shall give a surety bond in
the sum of three ($3,000.00) dollars conditioned for the faithful dis-
charge of his official duty. Each member of the Board shall receive a certificate of registration granted.
He shall receive and account for all fees de-
ferred from the operation of this Act, and shall pay to the State Treasurer, who
shall keep such moneys in a separate fund, to be known as the Fund of the
Board of Engineering Examiners, continued from year to year to be drawn
against only for the expenses of the Board. Warrants for the payment of the
expenses incurred shall be issued by the Comptroller General of the State and
paid by the State Treasurer upon presentation of vouchers regularly drawn by
the chairman and the secretary of the Board, Provided, however, that at no
time shall the total amount of warrants exceed the total amount of fees paid
under this Act. On or before the 30th day of June in each year the Board
shall submit to the Governor a written report of its transactions for the pre-
ceding year, and shall file with the SECRETARY OF STATE a copy of said
report, together with a complete statement of the receipts and expenditures of
the Board, attested by the affidavits of the chairman and secretary, and a com-
plete list of those registered under this Act, with their addresses and the dates
of their certificates of registration. The Board shall hold at least two regular
meetings each year, special meetings may be called in such manner as the
by-laws of the Board may provide. Notice of all meetings shall be given in
such manner as the by-laws of the Board may provide. At all meetings a ma-
jority of the Board shall constitute a quorum.

Section 7. The Board shall have power to employ, during its pleasure
such clerks and other employees and to rent such offices as may be necessary
for the proper performance by it of its duties as in this Act prescribed.

Section 8. The Board shall admit to examination any candidate who
pays a fee of fifteen ($15.00) dollars and submits evidence verified by oath and
satisfactory to the Board that he

(a) Is more than twenty-one (21) years of age.
(b) Is of good character, and
(c) Has been engaged in the practice of professional engineering or land
surveying for at least four (4) years, and during that period has had charge
of said work, as principal or assistant, for at least one year.
(d) Or, in lieu of requirement (c) specified above, is a graduate from an
engineering school.
(e) Provided, however, That no person shall be eligible for registration
who is not a citizen of the United States of America unless he has filed his
first papers for naturalization; and then he shall be required to have completed
his naturalization within three years from the date he is granted certificate of
registration, or he will be deprived from further practicing his profession or
calling as set forth in this Act.

Section 9. Examinations for registration shall be held at regular or
special meetings of the Board at such times and at such places within the
State in each year as the Board shall determine. The scope of the examina-
tions and the methods of procedure shall be prescribed by the Board with special
reference to the applicant's ability to design and supervise engineering works
which shall insure the safety of life and property. Examinations shall be held
to determine the qualifications of applicants for registration separately in sur-
vveying or in any one of the branches of professional engineering, embracing
civil, mechanical and electrical, mining or naval architecture. The examination
may be either oral or partly written. As soon as practicable after the close of
each examination the members of the Board who shall have conducted such
examination shall make and sign and file with the secretary a certificate stating
the action of the Board upon the application of each candidate, whereupon the
Secretary of the Board shall notify each candidate of the result of his examina-
tion. A candidate failing on examination, may, after an interval of not less
than one year, be examined again.

Section 10. In the case of examination as professional engineer, upon
receipt of an additional fee of ten ($10.00) dollars, the Board shall issue to
any applicant who has been reported to have passed the examination conducted
by the Board, a certificate of registration as a professional engineer in the
branch or branches in which he is qualified, signed by the chairman and secre-
tary of the Board under the seal of the Board, whereupon such applicant shall
be authorized to practice professional engineering as defined by this Act. In
case of examination as land surveyor the Board shall issue to any applicant
who has been reported to have passed the examination conducted by the Board,
a certificate of registration as a land surveyor, signed by the chairman and
secretary of the Board under the seal of the Board, whereupon such applicant
shall be authorized to practice land surveying as defined by this Act. A cer-
tificate of registration as a professional engineer shall not carry with it the right to practice land surveying unless specially permitted by said certificate, which permission shall be granted by the Board without additional fee in the case of any applicant duly qualified as prescribed by the rules of the Board.

Section 11. At any time within one year after this Act has become effective, upon due application thereof and the payment of a fee of twenty-five ($25.00) dollars the Board shall issue a certificate of registration as provided by Section 10, to any professional engineer or land surveyor who shall submit evidence under oath and satisfactory to the Board that he is of good character, has been a resident of the State of South Carolina for at least one year immediately preceding the date of his application and has practiced professional engineering or land surveying preceding the date of his application, and during that period has had charge of engineering work or land surveying as principal or assistant. After this Act shall have been in effect one year, the Board shall issue certificates of registration only as provided in Sections 5, 10 and 11 hereof.

Section 12. The Board shall, from time to time, examine the requirements for the registration of professional engineers in other States, territories and countries and shall record those in which, in the judgment of the Board, standards not lower than those provided by this Act are maintained. The Secretary of the Board, upon the presentation to him by any person of satisfactory evidence that such person holds a certificate of registration issued to such person by proper authority in any such State, territory, or country as recorded and upon receipt by him of a fee of twenty-five ($25.00) dollars shall issue to such person a certificate of registration under this Act, signed by the Chairman and Secretary under the seal of the Board whereupon the person to whom such certificate is issued shall be entitled to all the rights and privileges conferred by a certificate issued after examination by the Board.

Section 13. It shall be the duty of the Board to inquire into the identity of any person practicing or claiming to be a land surveyor, or professional engineer. The Board shall have the power by four-fifths vote to revoke the certificate of any professional engineer or land surveyor registered hereunder, found guilty of any fraud, deceit or gross incompetency in his practice, or guilty of any fraud or deceit in obtaining his certificate, or in case he is found by the same vote to be incompetent. Proceedings for the revocation of license of registration shall be begun by filing with the Secretary of the Board written charges against the accused. The Board shall designate a time and place for a hearing and shall notify the accused of this action and furnish him a copy of all charges at least ten days prior to the date of the hearing. The accused shall have the right to appear personally or by counsel, to cross examine witnesses or to produce witnesses in his defense. The Board may summons witnesses and administer oaths. It shall be the duty of the Board to prosecute any persons violating the provisions of this Act.

Section 14. Every certified professional engineer so registered under this Act who desires to continue the practice of his profession shall annually pay to the Secretary of the Board a fee of five ($5.00) dollars on or before a date to be fixed by the Board, for which fee a renewal certificate of registration for the current year shall be issued.

Section 14-A. Every land surveyor so registered under this Act who desires to continue the practice of his profession shall annually pay to the Secretary of the Board a fee of three ($3.00) dollars on or before a date to be fixed by the Board, for which fee a renewal certificate of registration for the current year shall be issued.

Section 15. An unrevoked certificate and endorsement of registry made as provided in this Act shall be presumptive evidence in all courts and places that the person named therein is legally registered.
Section 16. The provisions of this Act shall apply to every corporation, domestic or foreign, engaged in the business of professional engineering within the State of South Carolina, except that certificate of registration issued hereunder shall be held by one or more of its officers or employees instead of by such corporation.

Section 17. The Board each year shall certify and publish a complete list of registered professional engineers and land surveyors with their business address.

Section 17-A. Nothing contained in this Act shall apply to land surveyors who shall have been engaged in the active practice of their profession as land surveyors as long as five years prior to the date hereof, but such surveyors may obtain registration upon voluntary compliance with the terms of this Act.

Section 18. Any person who, not being then legally authorized to practice professional engineering or land surveying within the State according to the provisions of this Act and so registered according to law, shall practice, or attempt or advertise to practice, or hold himself out as authorized to practice professional engineering or land surveying or shall use in connection with his name, or otherwise assume, use or advertise any title or designation tending to convey the impression that he is a professional engineer or registered land surveyor, shall be deemed guilty of a misdemeanor and shall for each offense of which he is convicted be punished by a fine not to exceed five hundred ($500.00) dollars or by imprisonment not to exceed three months, or both such fine and imprisonment.

Section 19. This Act shall not apply to military engineering nor to any professional engineer working for the United States Government, nor to employees of railroads nor inter-state public service corporations; nor to any professional engineer employed as an advisor or an assistant to a professional engineer registered under this Act; nor to any professional engineer coming from without this State and employed therein until a reasonable time, as prescribed by the rules of the Board, shall have elapsed to permit the registration of such person under this Act, Provided, That before practicing within this State he shall have applied for the issuance to him of a certificate of registration and shall have paid the fee prescribed in this Act.

Section 20. This Act shall not apply to any architect registered by the State of South Carolina under the provisions of this Act creating the State Board of Architecture.

Section 21. Persons licensed to practice professional engineering in this State under this Act shall be exempt from the provisions of any Act providing for the licensing of architects or regulating the practice of architecture in so far as the definition of "buildings" in any said Architects' Act may include, or be included in the structures enumerated in Section 3 of this Act.

Section 22. All laws or parts of laws in conflict with the provisions of this Act be and the same hereby repealed.

Section 23. This Act shall take effect immediately upon its passage and approval by the Governor.

Approved the 22nd day of March, A.D. 1922.

R. A. COOPER, Governor.

Amending Act Approved the 10th day of March, A.D. 1928.

JOHN G. RICHARDS, Governor.
The National Bureau of Engineering Registration is operated under the auspices of the National Council of State Boards of Engineering Examiners, assisted by an Advisory Board of representatives from national engineering societies. It has been established primarily for the convenience of engineers, especially those practicing in more than one State, to minimize the effort and expense of securing registration. The Bureau also constitutes a clearing house for the convenience of the registration authorities of the various States having laws regulating the practice of professional engineering and acts as a reliable source of verified information regarding the professional records of engineers.

The purpose of the National Bureau of Engineering Registration is to investigate and verify the records of professional engineers and issue to those who fully comply with the regulations and requirements adopted by the Bureau a "Certificate of Qualification," which may be used as evidence of qualification—for registration as a professional engineer with State Boards of Registration, for membership in national or state engineering societies, in connection with award of professional degrees by engineering colleges, for presentation to clients when soliciting contracts for professional services, for presentation to employers when applying for positions, etc.

The Certificates of Qualification issued by the Bureau are in no sense obligatory for the applicant nor binding upon the State Boards of Registration, nor does the Bureau assume any responsibility to the applicant for securing his registration authorizing the practice of engineering in any State. However, State Boards of Registration are expected to give due consideration to the Bureau's certificates in passing upon the qualifications of an applicant for registration.

An independent investigation such as is conducted by the Bureau often requires considerable time, therefore, it is suggested that an engineer not wait until he actually needs a Certificate of Qualification but that he file his application with the Bureau whenever convenient, so that a certified copy of his professional record may be available at any time for presentation to State Boards of Registration with which he desires registration, or for any other purpose.

Information secured from references is for the confidential use of the Bureau in verifying and passing upon professional records of applicants, the source and character of this information not to be divulged except in special cases when desired by legally authorized State Boards of Registration.

Requirements For Certificate of Qualification

A Certificate of Qualification will be issued only to an applicant who fully complies with the following minimum requirements for a Professional Engineer and who conforms with the other regulations of the Bureau:

A. Graduation from an approved course in engineering of four years or more in a school or college approved by the Bureau as of satisfactory standing; and a specific record of an additional four years or more of active practice in engineering work of a character satisfactory to the Bureau and indicating that the applicant is competent to be placed in responsible charge of important engineering work; or
B. Successfully passing a written, or written and oral, examination designed to show knowledge and skill approximating that attained through graduation from an approved four-year engineering course; and a specific record of eight years or more of active practice in engineering work of a character satisfactory to the Bureau and indicating that the applicant is competent to be placed in responsible charge of important engineering work; or

C. A specific record of twelve years or more of active practice in engineering work of a character satisfactory to the Bureau and indicating that the applicant is qualified to design or to supervise construction of engineering works and has had responsible charge of important engineering work for at least five years and provided applicant is not less than thirty-five years of age.

Definitions

In passing upon the professional record and experience of an applicant the Bureau shall construe “professional engineer” or “active practice in engineering work” as follows:

The term “Professional Engineer” shall mean a person who, by reason of his knowledge of mathematics, the physical sciences and the principles of engineering, acquired by professional education and practical experience, is qualified to engage in engineering practice as hereinafter defined.

The practice of professional engineering includes any professional service, such as consultation, investigation, evaluation, planning, design, or responsible supervision of construction or operation, in connection with any public or private utilities, structures, buildings, machines, equipment, processes, works, or projects, wherein the public welfare, or the safeguarding of life, health, or property is concerned or involved, when such professional service requires the application of engineering principles and data.

The mere execution, as a Contractor, of work designed by a Professional Engineer or the supervision of the construction of such work as a foreman or superintendent shall not be deemed to be active practice in engineering work.

Fees

The charges for services of the Bureau are as follows:

The fee for investigating a professional record and issuing original Certificate of Qualification is $10.00, which is to accompany application and to be retained by the Bureau regardless of whether or not the investigation warrants the issuance of a certificate by the Bureau.

An applicant whose status is classed under provision “B” of the Requirements for Certificate of Qualification shall be required to pay an additional fee of $10.00 for an examination if he has not already passed an engineering examination satisfactory to the Bureau. When examinations are required they will be conducted in accordance with the regulations of the Bureau by examiners appointed by the Bureau and held at such place as may be designated in the State of which the applicant is a resident.

The fee for each additional certified copy of application, which constitutes the verified professional record of applicant, is $5.00. These certified copies of professional records will be furnished only upon request or with the permission of persons to whom original Certificates of Qualification have been issued and may be sent direct by the Bureau to State Boards of Registration or other parties designated.

Applications for Certificates of Qualification must be made on forms furnished by the Bureau and filed with the Executive Secretary, National Bureau of Engineering Registration, P. O. Drawer 1404, Columbia, S. C.