ARCHITECTURAL

J. L. Blue, ex. '16, who is contracting in Piqua, O., will complete the work for his degree during the present year. Edwin M. McGinnis, '16, is in the employ of the school board architect at Toledo, O. Moses Halperin, '21, is in the city architect's office in Cleveland. E. E. Eggert, '23, is employed by Miller & Reeves, Columbus, O., in the structural engineering department. Marion F. Ross, '23, is located with the Boyajian-Barr Company, contractors of Columbus. Joe J. Black, ex. '22, is in the office of Helmle & Corbett in New York City, and is studying architectural design in the Columbia University extension course. Clarence D. Badgeley "Badger," '23, now employed by Howard D. Smith and Miller & Reeves, associated, is adding to his experience in the design of a new Masonic Temple for Springfield, Ohio. Milton "Milt" S. Osborne, '21, who is now with Otto C. Darst, architect, is in charge of architectural designing in that office. J. N. Arnold, '23, may be addressed in care of Wysing & Jones, architects, at Charleston, W. Va. Robert Switzer, '23, is in the employ of the Frank L. Packard Co., architects, at Columbus, O. Russell Krah, '23, is in the office of the Columbus City School Architect. Paul L. Wood, '23, is with Howard Dwight Smith, school-board architect of this city. M. T. ("Empty") Orr, '21, is in the office of the state architect of Ohio at Columbus, O.

CERAMIC ENGINEERING

V. S. Schory, '13, has been promoted from Ceramic Engineer of the Tiffin, O., plant of the Standard Sanitary Mfg. Co., to superintendent of that company's plant at Kokomo, Ind. Harry L. Davis, '19, has resigned his position with the Northwestern Terra Cotta Co. of Chicago, to accept a position as Ceramic Engineer with the Tropic Pottery Co., Los Angeles, Calif. E. M. Rupp, '21, has accepted a position with the What Cheer Clay Products Co., What Cheer, Iowa. George P. Facett, '07, of the Denver Terra Cotta Co., has sold his plant at Denver, Colo., to the Northwestern Terra Cotta Co. of Chicago, and will operate in future as a part of that corporation. The following ceramic graduates visited the department on the occasion of the Home Coming Game: P. D. Helser, D. M. McCann, Burnette Parcell, Willard Stief and F. G. Gibson. E. D. Vance, '18, is located with the Safety Emery Wheel Co. at Springfield, Ohio.

CHEMICAL ENGINEERING

The fourteenth volume of "The Transactions of the American Institute of Chemical Engineers," which was published in December, contains an article by Lyle J. Michael, who received his degree of Master of Industrial Chemistry at Ohio State in 1921, and James R. Withrow, head of the Department of Chemical Engineering. The article, "Shrinkage of Quartz Packing in the Glover Tower," was originally read at the Niagara Falls meeting of the A. I. C. E. in June, 1922.

CIVIL ENGINEERING

D. J. Brunley, '95, is reported by Dean Hitchcock to be in charge of the Illinois Central Terminal Improvement, and has his office in Chicago. It will require twenty years to complete the work at an expense of $90,000,000. H. W. Osborne, '11, has gone into the Traveler's Insurance business, after several years of engineering work. Geo. W. Holman, '21, is employed on a liner plying between San Francisco and Melbourne, Australia. G. D. Schuerman, '21, is employed by the State Highway Department at Sydney, O. Henry D. Bruning, '96, who is doing a consulting business in Columbus, was recently elected President of the Columbus Engineers' Club. A. A. Henderson, '93, is chief assistant in the county engineer's office of Allegheny County, with headquarters in the court house at Pittsburgh and has charge of the designing of bridges in that county. R. E. Hamilton, '03, was a caller on the campus recently. He is engaged in general civil engineering practice at Coshocton, Ohio. Major Adolph Stillhorn, '03, is chief engineer in the department of construction of the State Highway Department at Columbus, O. J. H. Chubb, '04, was over to see a recent football game. He is distributing engineer for the Universal Portland Cement Co., at Chicago, Ill. F. S. Chubb, '05, is engine in charge of the Toledo plant of the American Bridge Co., at Toledo, O. N. E. Hawkins, '07, is president of the Hawkins-Dowen-Masson Co., 114 N. Wood St., Youngstown, O. R. C. Miller, '01, is division engineer on the Pennsylvania Railroad, with headquarters at 26 Exchange Place, Jersey City, N. J. J. R. Burkey, '08, is engineer in charge of the construction of the Conneaut viaduct for the State Highway Department. This imposing structure is nearing completion and Mr. Burkey is preparing plans for a similar bridge over the gorge at Ashtabula, O. F. E. Withgott, '08, is contracting a large bridge at Omaha for the Mt. Vernon Bridge Company. G. L. Ohmert, '09, is in the general construction business at Springfield, O. He employed several undergraduates during the summer for this work. Theodore Leonard, '12, is an engineer in the employ of the Columbus Structural Steel Co., with offices on Buttles Ave. George E. Carr, '13, recently assumed office as Washington County engineer, with headquarters in the court house at Marietta, O. F. E. Misner, '13, was a recent campus visitor. He is Assistant Division Engineer in the State Highway.
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Department of New York, with headquarters at Utica, N. Y. His home address is Herkimer, N. Y.

F. D. Stewart, '13, is an engineer on the State Board of Health, with offices in the Old Hartman Hotel Bldg., corner Fourth and Main Sts., Columbus, O.

C. M. Joy, '14, is an engineer in the employ of J. R. Tanner, consulting civil engineer, at Zanesville, O.

John O'Neil, '14, is working on the construction of the new million dollar storage dam on the Scioto River, above Columbus.

J. R. Scofield, '16, is supervisor of tracks for the T. & O. C. Railroad Co., stationed at Bucyrus, O.

C. S. Demos, '17, is working for the Ohio Fuel Company at 99 North Front St., Columbus, O., in the map department.

L. L. Markel, '18, is working for the Chicago Car Roofing Co., at Youngstown, O.

E. F. Gallagher, '20, is on the staff of engineers of the Ohio Inspection Bureau, Hartman Bldg., Columbus, O. He is editor of the Bureau's publication, "The Make-Up."

G. A. Schuster, '20, recently took the office of county engineer of Allen County at Wapakoneta, O.

J. J. Wood, '20, is engaged in highway work for the Wayne County road commissioners, and may be addressed at 1105 Real Estate Exchange Bldg., Detroit, Mich.

L. C. Gibbs, '22, was a visitor on the campus recently. He is an engineer in the employ of the Long-Bell Lumber Company at Kelso, Wash. The company has spent nearly $10,000,000 in industrial housing, water works, sewers, railroads, highways, docks and wharves, in preparation for extensive lumber operations.

W. H. Johnson, '22, has left the employ of the City Plan Commission and is now engaged with the city engineer of Columbus, O.

R. L. Kellar, '22, is working for the Austin Company, manufacturers of constructor's machinery, Cleveland, O. He resides at 960 East 14th Street.

Sidney Rockoff, '22, is employed by the Mt. Vernon Bridge Works, at Mt. Vernon, O.

W. B. Vick, '22, is engaged in structural steel designing for the Mt. Vernon Bridge Co.

J. H. Ault, '23, is on the engineering corps of the Pennsylvania Lines at Columbus, O., where his classmate, K. E. Dumbauld, is also working.

P. F. Fitzer, '23, is at Kaiser, W. Va., in the employ of the State Highway Department.

B. J. Hatfield, '23, visited the campus recently. He is working for the George Omert Construction Co., at Springfield, O.

H. H. Hawley, '23, is with the Mt. Vernon Bridge Co. Ray Newlon, '23, is stationed at Columbus, O., as an engineer for the T. & O. C. Railroad.

R. J. Shaffer, '23, is working with Ray Newlon for the T. & O. C. Railroad. Mr. Shaffer was married last June.

I. E. Kissell, '07, is division engineer of the N. Y. C. Lines at Galion, Ohio, and witnessed the football games during the season at the stadium.

C. C. Hadden, '09, was elected county engineer in Lake County for a second term, and resumed his new duties September 1st last at the court house in Painesville, O.

Robert W. Wade, '09, is consulting engineer to the state auditor at Columbus, O. He is also vice president of the Ohio State University Association.

George B. Gascoigne, '10, is consulting sanitary engineer with offices in the Leader News Bldg., at Cleveland, O. He has a number of large projects on hand, one of which is the sewage plant and system at Marion, O.

E. J. Wills, '19, wrote for assistants in October. He is a civil engineer in charge of construction work for the Ontario Power Company at Niagara Falls, N. Y.

A. H. C. Shaw, '11, is an engineer for the City Plan Commission of Columbus, with offices at 151 East State Street.

E. P. Knollman, '12, is in partnership with R. H. Spidel, '13, constructing reinforced concrete buildings at Washington, D. C.

T. S. Johnson, '13, has returned to Dennison University where he is professor of civil engineering, after a leave of absence of a year, spent in engineering work in North Carolina.

F. E. Misner, '13, is assistant division engineer, New York Highway Department, with headquarters at Utica, N. Y.

Roy B. Siler, '15, partner in the Beck Construction Co., is living at 210 West 22nd Street, Houston, Texas.

V. R. Covell, '95, was a caller on the campus not long ago. He is county engineer of Allegheny County, and has headquarters at the court house, in Pittsburgh, Pa.

J. A. McGrew, '95, is co-inventor of a device for increasing the tractive power of locomotives which is being tried out with success on a number of railroads, including the Delaware & Hudson, of which line Mr. McGrew is chief engineer.

H. A. Rice, '97, is professor of civil engineering at the University of Kansas and is also secretary of the State Water Commission there, of which the Governor is chairman.

W. S. Roberts, ex. '87, was a caller on the campus recently, and has just entered the university as a freshman in engineering.

Albert J. Wise, '98, visited the campus November 24th on his way home to Houston, Texas, where he is engaged in general civil engineering business with a partner who is a graduate of Boston Tech. They have been in partnership for fourteen years.

C. E. Stone, '99, called at Brown Hall November 30th. He lives at Cairo, near Pittsburgh, where he is engaged in general engineering practice. He has been a member of the board of education at that town since 1909, and has a daughter who has just entered the university as a freshman in the College of Commerce and Journalism.

James W. Hunter, '04, is engaged in general contractors' supplies business in Illinois. He saw the Chicago-Ohio State game in company with Professor Chubb of the Department of Architecture.

R. H. Rice, '04, is working for the Interstate Commerce Commission at Washington, D. C., and attended the Alumni Reunion, December 7th at Cafe Mahbrillon.

I. A. Farquhar, '06, is resident engineer in highway construction in New York State, with headquarters at the State Highway Department office at Utica, N. Y.

L. H. Strom, '06, is a contracting engineer located in Washington, D. C., and is engaged in the construction of buildings.

E. J. Halsema, '07, is mayor of the summer capital of the Philippine Islands at Baguio. He is also city engineer, chief engineer and district engineer, as well as manager of the Benquit auto line.

Hal Tyler, ex. '19, is assistant roadmaster with the Northern Railway of Costa Rica. His address is Northern Ry., Limon, Costa Rica, C. A.

Robert J. Warrick, '23, left the Pittsburgh Construction Company in June, 1923, and is now connected with David T. Riffle, general contractor, of Pittsburgh, Pa., as an estimator. Arrdess 29 N. Emily St., Crafton, Pa.

Kenneth H. Kinkley, '23, is employed as engineer with the Taylor-Owen Contracting Company of Coshocton, O.

George V. ("Shorty") Long, '16, is city and consulting engineer at Owosso, Mich.

Carl B. Smith, '23, is located at 14241 Bayes Ave., Lakewood, O. He is in the bridge department of the
HERE'S a sound lesson in paving so brief and simple that you need not jot it down in your notebooks—you can "carry it in your head" until the time comes for you to apply it.

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**Brick for Surface**

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The result is an enduring, waterproof, frost-proof and traffic-proof roadway which is certain to give the longest service at least upkeep cost.

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N. Y. C. railroad at West 3rd Street and St. Clair Ave.,
Cleveland, O.

Thomas N. Finical, '22, is with the Barrett Company,
Cleveland. His address is 2407 Richland Ave., Lake-
wood, O.

Y. C. Chu, Gen. Eng., is employed by the James D. Lacy Co.,
as a topographic draftsman. The company
is a forest engineering supply service. Address 541
W. 124th St., New York City.

ELECTRICAL ENGINEERING

Ralph W. Kurtz, '23, is with the James B. Clow &
Sons Co., at Newcomerstown, O., and is living at 252
Cross Street.

C. P. Cooper, '07, was recently promoted to president
of the Ohio Bell Telephone Co., of Columbus, where he
has been employed as general superintendent. Mr.
Cooper's connection with the Ohio Bell Tel. Co. dates
back to 1908. He, with another engineer, was chosen
to handle the telephone situation in Washington during
the war, and owing to his great success in that position,
promotion has been rapid.

R. H. Porter, '23, is engaged in the students' training
course of the General Electric Co., at Schenectady, N. Y.

E. F. Gehrkens, '94, is an author of an article in the
Electrical World, Oct. 13,1923, on "Regulation of High
Voltage Lines." Mr. Gehrkens is executive engineer
with the feeder regulation department of the General
Electric Co. at Schenectady, N. Y.

F. M. Croft, '05, is employed with the Ohio Bell Tele-
phone Co. at Cleveland, O.

H. C. Pepper, '20, is general manager and construc-
tion engineer with the Painesville, O., division of the
Bakelite Corporation.

R. T. Sawyer, '23, is located with the General Elec-
tric Co. at Schenectady, N. Y.

D. F. De Long, '23, can be addressed in care of the
General Ry. Signal Co. of Rochester, N. Y., with which
company he is now employed.

H. Cross, '22, who for some time has been gen-
eral superintendent of power with the Kansas Gas & Elec-
tric Co., has resigned to accept the position of equip-
ment engineer for the Chicago Western Electric Co.

H. E. Jenkins, '20, is traffic superintendent at Lake-
wood, O.

MECHANICAL ENGINEERING

John C. Sharp, '23, is now with the Wierton Steel Co.,
at Steubenville, O., and may be addressed in care of the
Y. M. C. A. Bldg.

F. E. Smyser, '18, who is vice president of the Ottawa
River Paper Co. at Toledo, O., visited Columbus for the
home-coming game.

Sherman F. Swarr, '12, recently severed connections
with the Westinghouse Co. to become president and gen-
eral manager of the Hughes-Peters Electric Corp. of
Columbus, O.

R. J. Paibodie, '99, is Chicago manager of the Griscom-
Russell Co., manufacturers of heaters for power plants.
Mr. Paibodie has a son at Ohio State University.

Vernon Ward, '03, is contracting manager of the
American Bridge Co., which is doing much building in
Chicago. Mr. Ward lives at Evanston, Ill., and very
near Northwestern University, but he informs Dean
Hitchcock that his son is in training for Ohio State Uni-
versity.

MINING ENGINEERS

Foster L. Apple, '23, is employed in the preliminary
engineering work on the large coal mining property re-
cently acquired by the Ford interests. He writes that
his latest piece of engineering was setting a broken arm
and removing his patient ten miles over rough moun-
tain roads to the nearest doctor. Mr. Apple's address
is Fordson Camp, Roark, Ky.

W. H. Cameron, '23, has recently been transferred from
Oakfield, N. Y., to Fort Dodge, Iowa. He is doing
engineering work for the United States Gypsum Co. He
reports that every gypsum mining camp is full of min-
ing engineers from Ohio State.

J. W. Buch, '23, may be addressed, care The United
States Gypsum Co., Oakfield, N. Y.

Jas. Johnston, '23, is shining his light in the coal mines
of Kentucky. His address is Wheelwright, Ky.

The mining camp at Plasterco, Va., is now being
sanely and safely piloted by recent Ohio State gradu-
ates. J. D. Kerr, '22, is superintendent, L. B. Bennett,
'22, is assistant superintendent, and A. L. Guver, '23, is
mining engineer.

Walter F. Ebbersbach, '12, is superintendent of the
limestone mines and calcining plant at Genoa, O.

R. M. Edgar, '22, is the proud father of what he claims
is the most beautiful pair of twins born this year.

S. O. Linzell, '22, is mine superintendent at Fort
Dodge, Iowa.

H. L. Porter, '22, is still a wanderer with an explora-
tion party in the Belgian Congo, Africa.

Edward O'Rourke, '19, is doing exploration work and
geological mapping in the interior of Venezuela. He
writes that his lot would be an extremely happy one if
the natives were not so insistent on using the members
of his party as targets for their poisoned arrows.

Hugh B. Lee, '12, is general superintendent in charge
of a group of coal mines in Indiana.

R. R. Kirkpatrick, '12, is leaving the coal fields of
West Virginia to engage in the oil production business
in Texas.

R. W. Arens, '12, was a recent visitor on the campus.
He is employed by the Roberts & Schaefer Co. of Chi-
cago, conducting research work on the dry cleaning of
coals.

T. B. Simon, '07, is vice president of the C. L. Miller
Co., Scottsdale, Pa. They manufacture and install con-
veying machinery and mine equipment.

M. G. Haverfield, '11, was a recent visitor on the cam-
pus. He is general mine superintendent, El Oro Min-
ing & Ry. Co., Ltd., El Oro, Estado de Mexico, Mexico.

Guy E. Hoover, '16, has recently accepted a position
with the Bethlehem Mines Corporation, Reedsville, W.
Va.

W. E. Griffith, Met. '23, is now research assistant to
C. E. McQuigg, '09, who is chief research engineer for
the Union Carbide Co., at Brooklyn, N. Y.

USES OF ULTRA VIOLET LIGHT

Ultra violet light used to be a curiosity of the labo-
atory but in these utilitarian days it has been put to
work in a remarkable number of different ways, espe-
cially in the chemical industries.

Among these uses, most important are:

1. Manufacture of "artists' oil" by bleaching ordi-
nary linseed oil with ultra violet rays.

2. Finished patent leather in the "solarizing" pro-
cess by substituting these radiations for ordinary sun-
light.

3. Processes for hydrogenation of oils in pre-
paring cooking and salad oils.

4. Testing colored materials by ultra violet light
instead of sunlight, reducing the time required from about two months to six to fifteen hours depending on the material and the dyes.

5. Sterilization of water for swimming pools, hotels, steamships, etc.

6. Treatment of tuberculosis, skin diseases, etc., in hospitals.

Virtually all rubber aging and sunburning effects are obtained by use of these radiations.

The most common ultra violet lamps are made of Brazilian quartz-rock-crystals with a mercury cathode and tungsten anode with a mercury vapor pressure of one atmosphere. The arc is concentrated in a narrow “neck” or “cord” in the center of the tube, this is the most efficient source of the radiations.