PITTSBURGH SECTION OF THE AMERICAN CHEMICAL SOCIETY
182nd MEETING
Thursday, Nov. 16, 1922, 8:15 p. m.
BUREAU OF MINES AUDITORIUM
4800 Forbes Street

SOME CORROSION-RESISTING STEELS
By C. M. JOHNSON
Chief Chemist and Head of Research Department of the Park Steel Works of the Crucible Steel Company of America; Metallurgist of the Tungsten-Molybdenum Plant of the Park Steel Works of the Crucible Steel Company of America

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See Jour. of Amer. Chem. Soc. June 1922

This is a simple glass apparatus in which stirring of the electrolyte is effected indirectly by a current of air. Results have been obtained as rapid and accurate as those afforded by the use of rotating electrodes. The apparatus consists of a tube of Pyrex glass to which are sealed three glass "air lifts," connecting in a single tube at the bottom, and entering symmetrically about half way up the wide tube, the upper seals being made tangentially. When the apparatus is half filled with liquid and a current of air is forced (or drawn by suction) through the injectors, stirring is effected in two ways. First a continuous current of liquid is carried upward by the air lifts. Secondly, the liquid (with the air bubbles) is delivered into the wide tube in such a way as to cause rotational stirring. For electrolytic determinations the wide tube is fitted with a rubber stopper carrying a glass tube and the electrodes. Determinations have been made upon solutions of copper sulfate also on copper in the presence of zinc, lead, and other metals. 110 volts D.C. reduced by resistance lamps is satisfactory. The use of this apparatus for the determination of lead in baking powders will be discussed at the convention of the Official Agricultural Chemists to be held in Washington, Nov. 15-17. Write for Bulletin No. 291 which gives details of the apparatus. Price-cell only-catal. No. 2763... $12.00

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LETTER FROM J. O. HANDY

At the request of the CRUCIBLE, Chairman Handy relates for the Section, some of his interesting experiences on his recent trip through the West.

My dear Mr. McClelland:

I have just finished reading the October number of the CRUCIBLE and am very sorry that I was not able to be present at the interesting meeting which was held during my absence.

I can recommend with the greatest confidence a trip to Colorado, California, British Columbia, etc., as a most satisfactory supplement to an American Chemical Society Convention.

Mrs. Handy and I climbed Long's Peak (14,256 feet above the sea level, and 150 feet higher than Pike's Peak) with the greatest enthusiasm. For a few moments one cannot resist reflecting on the ease with which one might fall 1500 to 2000 feet without touching anything, but in spite of that we enjoyed the experience greatly, and are proud of the achievement. The scenery in the neighborhood of Long's Peak is wonderfully beautiful at this season; the gold color of the aspen leaves among the dark green pines was especially lovely. There had been a light snow on most of the mountain peaks, making the view wonderful. Most of the tourists had returned to their homes so that we were able to see nature without the interruption of the presence of other commentators.

At Cheyenne, Wyoming, we were too late for the annual round-up, but we saw some of the typical cowboys still in circulation.

In Salt Lake City we learned that 45 per cent. of the city population were Mormons, as were 70 per cent. of the people of Utah. We further learned that the Mormons were very active proselyters, and that they prefer people who already have some religious affinities rather than common sinners. Their principal desire, however, seems to be to get all of their relations who have passed on, safely into heaven by paying for blessings for them from some elder of the church. One man has looked up one thousand such relatives, and is still going.

In Salt Lake I had the interesting experience of visiting the experimental farm of the American Smelting and Refining Company, where Dr. P. J. O'Gara has worked out so many of the questions concerning damage real or alleged, to different kinds of vegetation by sulphur dioxide fumes.

In the southern part of California we were particularly interested in the beautiful development of the Mission style of architecture in the residence districts of Los Angeles, San Diego, and Santa Barbara. These houses in the midst of their palm trees, and floral settings are wonderfully attractive. The views along the coast between Santa Barbara and San Diego are most beautiful away from the resorts. We enjoyed very much a trip to Mt. Lowe and Mt. Wilson near Pasadena.

The Ridge Route road between Los Angeles and Bakersfield gives a wonderful mountain panorama and is a great piece of engineering.

From San Francisco we visited the Muir Woods near Mt. Tamalpais, and saw many beautiful specimens of the Sequoia Gigantea, some of them more than 200 feet high, and 3000 years old. I brought back two specimens about two inches high which I hope will adorn Squirrel Hill possibly less than 3000 years hence.

On the trip north from San Francisco the view of Mt. Shasta, which is almost
completely snow-covered at this season, was wonderful, and the view continued for almost half the day.

At Portland, we found the Columbia River drive as beautiful as it has been said to be, with many picturesque waterfalls, and Mt. Hood and Mt. Adams not far away. At Seattle we were unable to see Mt. Rainier because of rainy weather, but the city itself is picturesque and interesting. One feature which interests the Easterner accustomed to high prices of garden truck, is the extreme cheapness of such material in the West; for example, three heads of ice lettuce for five cents and large bunches of celery for 10 cents, and boxes of Delicious apples, which sell here for $3.50 or more, we found were $1.50, and would be even cheaper later in the season.

It seems to be the custom also in Los Angeles and San Diego to offer at first-class restaurants and hotels, breakfasts for 25 cents, and dinners at 50 cents. The new Rosslyn Hotel at Los Angeles does this, and the food and service are both excellent.

The mountain scenery in British Columbia is picturesque, and it is a wonderful experience to see even a small part of it. We visited Banff and Lake Louise after the close of the tourist season, and there had been a snow fall on some of the mountains. We had to tramp through snow around Lake Louise. In the same snow we saw the tracks of bears and other unrecognized animals. The views of the glaciers on Mt. Victoria and Mt. Lefroy as seen across Lake Louise were perhaps the most wonderful of our whole trip.

I do not know whether the readers of the CRUCIBLE will be interested in any of this, but it is so intensely interesting to us that I am passing it on to you.

Yours very truly,

James O. Handy.

MINUTES OF OCTOBER MEETING
181st Meeting, October 19, 1922

The Pittsburgh Section of the A. C. S. met in regular session in Fellows’ Room, Mellon Institute.

In absence of Chairman Handy, Vice Chairman E. R. Weidlein called the meeting to order at 8:20 p. m.

Minutes of previous meeting were read and approved.

As Chairman of the Finance Committee Mr. Weidlein reported that all corporation contributors to the convention fund heard from thus far were favorable to the retention of their part of the surplus for the purpose of securing prominent men to speak before the Pittsburgh Section. All of the replies were extremely cordial, and showed pleasure in co-operation.

Dr. C. S. Palmer moved that the Chairman and Vice Chairman of the Section be chosen as a committee to acquaint the Congressmen and Senators from the territory of the Pittsburgh Section with the work, accomplishment and aims of the chemist, and his relation to the community and the nation. Motion seconded and carried.

Dr. J. G. Davidson, Industrial Fellow of Mellon Institute, gave the paper of the evening on “Cracking of Petroleum and Its Relation to the Automotive Industry.”

After an interesting lengthy discussion the meeting adjourned at 10:00 p. m. to partake of pretzels and cider and to indulge in an hour of good fellowship.

E. S. Stateler, Secretary.

NOVEMBER ADDRESS ON CORROSION-RESISTING STEELS

The old proverb that “Beauty is only skin deep” is said to be the basis of the modern advertising slogan, “Save the surface and you save all.” The latter slogan, however, is sponsored not by makers of cosmetics but by manufacturers of protective coatings for structural materials.

The conservation of engineering materials is an important matter. A picture on a recent advertising card illustrates thirty-three applications of steel all of which require protective treatment. Corrosion is the greatest enemy of metals, and much study has been given to the problem of preventing its attacks.

Mr. C. M. Johnson, who will address the Pittsburgh Section on November 16, has given considerable attention to the development of ferrous metals which are resistant to corrosion. Specimens will be exhibited, and microstructure will be shown by means of lantern slides. The speaker will summarize the patent literature of stainless steels, discuss their composition and physical properties, and present the results of practical field tests.
DR. J. G. DAVIDSON ON "CRACKING OF PETROLEUM AND ITS RELATION TO THE AUTOMOTIVE INDUSTRY"

The supply of present-day motor fuel depends not only upon the total amount of crude oil available but on the percentage of this total which the automotive industry can capture as gasoline, and this percentage is greatly increased through the agency of modern cracking processes. There are various systems, each with numerous ramifications, and Dr. Davidson handled this complicated subject with clarity and conciseness, evincing a thorough grasp of technical details and a full knowledge of the economic status of the cracking industry. He touched on historical development, explained certain typical chemical reactions, and by the aid of lantern slides outlined briefly the technology of those cracking systems which are now of commercial importance. He showed that since 1916, with the waning demand for kerosene and the vastly increased demand for gas-engine fuels, the cracking of crude oil has been an important factor in the output of gasoline. Dr. Davidson also discussed the economic importance of other substances suggested as gasoline substitutes, but at present of only supplementary or accessory value.

The address was appreciated by the Pittsburgh Section and we have further evidence of its value in the fact that Dr. Davidson has since been invited to repeat it before one of the other local sections of the A. C. S.

REPORT OF EMPLOYMENT COMMITTEE

Pittsburgh Section A. C. S., Month of October, 1922

Applicants since last issue:
No. 19—Graduate chemist, 1913. Desires position in Pittsburgh. Nine years' experience in chemical products. Laboratory or plant.

No. 20—Analytical or research chemist, twelve years' experience, desires change. Glass. Will exchange operating position for laboratory.

Application for chemist:
No. 10—Glass manufacturer desires laboratory man to develop into plant superintendent. Pittsburgh District.

K. K. Stevens, Chairman Employment Committee.

LIST OF TECHNICAL PERIODICALS

The Pittsburgh Experiment Station of the United States Bureau of Mines has issued a mimeographed list of periodicals in the Carnegie Library of Pittsburgh likely to be of use to the staff of the Bureau of Mines. The selection was made from a reasonably complete list maintained in the Carnegie Library of Pittsburgh, but not available for distribution. The Librarian at the Bureau has generously placed fifty copies of the mimeographed list at the disposal of the Carnegie Library of Pittsburgh and a few are still available; copies may be obtained also at the Bureau Library. Though it is confined to bound periodicals and does not indicate the extent of the sets, it is a very useful list.

MEETINGS OF OTHER SOCIETIES

Pittsburgh offers exceptional opportunities in the way of technical lectures and society meetings. The membership of the Pittsburgh Section of the A. C. S. represents many diversified interests and members may be interested in some of the forthcoming meetings listed below. Visitors are welcome at all these meetings and at such dinners as are scheduled.

American Society for Steel Treating. Pittsburgh Section
(Hotel Chatham. Dinner, 6:30 p. m.; Meeting, 8 p. m.)

Dec. 5—Metallurgical Education, by Prof. S. L. Goodale, Professor of Metallurgy, University of Pittsburgh.

Association of Iron & Steel Electrical Engineers. Pittsburgh Section
(Hotel Chatham. Dinner, 6:30 p. m.; Meeting, 8 p. m.)


Engineers' Society of Western Pennsylvania
(Meetings in William Penn Hotel, 8 p. m.)

Nov. 21—(A paper by Thomas Fitzgerald, on electric railway transportation with special reference to Pittsburgh conditions).

Dec. 5—Coal Handling and Storage, by E. P. Dandridge.

Dec. 12—(A paper by Tinius Olsen, on testing materials).

The Blonde: Jack, that man at the next table hasn't taken his eyes off me since we came in.

Her Escort: How do you know?
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Taylor Instrument Companies
ROCHESTER, N. Y.
The Crucible has suffered a serious loss in the resignation of E. J. Casselman as editor of the Crucible. His personality secured him for him that close contact with the membership which is essential to keeping in touch with the activities of the Section, and his ability is manifested in those issues of the Crucible produced under his guidance. Fortunately, his services were still available during the strenuous days of the Convention. Few who have not had the actual experience can properly evaluate the energy and vigilance which went into the prompt production of the Convention issues of the Crucible. The constant surveillance and attention to detail demanded not only personal effort but personal sacrifice, and the four daily issues stand as a typographical testimonial to the fidelity and ability of those in charge. For this work, Editor Casselman and Managing Editor Craver merit the approbation of the entire Pittsburgh Section.

In more ways than one Casselman is a big man, and his mantle has fallen somewhat heavily on the new editor. The present incumbent has no platform, but is aware that he may soon have need for a barricade; he realizes also that the work on the Crucible is a fairly large undertaking, since it must be done in his spare time (if any). The notification of his appointment calls for response in the words of the man whose new axe was borrowed by a neighbor and returned with the handle broken—"what the helve you done now?"

Says someone to the Editor, "Do you expect to get out a Crucible which will please all the members of the Section?", and this suggests the "parable" of the Swedish bill collector who returned with some money and some promises. Says he to the boss, "Yim Yonson say he pay in January." Says the boss, "that's not so bad; it's the first time Johnson ever set a date for payment; did he say what time in January?" Says the Swede, "No I tank not, but I tank he mean in January all right. He say 'eet ban dam cold day when you get that money.'"

Yes, we hope to please everybody—but it'll probably be pretty well along in January.

Immediately after the October meeting most of those present entered actively into analytical work (quantitative) in separating malic acid and its compounds from glass and china.
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DR. EDWARD CURTIS FRANKLIN

Dr. Edward Curtis Franklin has been proposed by the Pittsburgh Section for the presidency of the American Chemical Society in succession to Dr. E. F. Smith, who has filled the office with distinction for the past two years.

Dr. Franklin has been active in promoting the best interests of the Society and of the chemical profession in general during the past thirty years. He is the past chairman of the California Section and has served ably on various national committees of the Society.

He is an organo-physiological chemist, of high international reputation, and his pleasantly agreeable personality, demonstrated executive worth, and oratorical ability make him clearly the outstanding personality among chemists. Arrangements have been made whereby Dr. Franklin will enter upon an extensive tour of the country during the coming year. During this trip, Dr. Franklin will be prepared to address sections of the Society on important subjects of national policy and development. Dr. Franklin is keenly alive to the needs of American industry.

Following the completion of his graduate work at Berlin and Johns Hopkins Universities, Dr. Franklin engaged in teaching chemistry at the University of Kansas. From 1899 to 1903 he occupied the chair of Physical Chemistry in that institution. Since the year 1903 he has been Professor of Organic Chemistry at Stanford University. In addition to filling these posts with merit, Dr. Franklin has found time to serve industry in the development of the sugar industry and the Government in public health work. Scientifically, he is best known for his researches on liquid ammonia as an electrolytic solvent and on the ammonia system of acids, bases and salts.

Pedagogically, Dr. Franklin has endeared himself to numerous chemists now active in teaching and manufacturing, whose careers he has been prominent in shaping. E. R. Weidlein.

MEMBERSHIP TO BE INCREASED

Almost every section of the American Chemical Society, except Pittsburgh, has at some time in the last ten years, put on a membership campaign.

Now we are going to do it.

There are in and around Pittsburgh about four times as many chemists who do not belong to the Section as there are that do belong.

What do you suppose is wrong?

We have doped it out that it is not their fault, but ours, because we have never bothered to find out who did not belong and then speak to them about it.

Your Section has recently brought chemistry before the people of the Pittsburgh district in a very prominent and favorable way, so that, whether you are conscious of it or not, your science and your services have gone up a few pegs in the minds of the people of this district.

We are not through by any means, and intend that they shall continue to hear about chemists and their work.

Now, don't be too modest about this thing; you don't have to brag about yourself, but you can tell your friends what other chemists are doing.

They are open to accept chemists at about their own appraisal and if you make it low, it's your fault.

We are going to add 200 new members to the roll of the Pittsburgh Section before Christmas.

The campaign is to start December 1, and finish December 24.

The Committee consists of every live member of the Pittsburgh Section, and each man will be charged with the responsibility of getting at least one new member.

Please remember that in doing this you are not merely supporting the American Chemical Society, you are actually promoting your own best interest, and also helping the man you bring in.

The larger and stronger your Section becomes, the greater its influence, and who can deny that that influence has been for the good of all chemists.

We're in dead earnest about this thing, and we propose to put a lot of time, effort and energy back of it, so that you had best begin to think now and spot two or three men who do not, but should, belong, so that you can get in out of the wet when this campaign starts.

We propose to keep everybody informed during the progress of the campaign.

A "Live Member Club" is going to be formed, and we propose to publish its membership each week from December 1 to December 24.

To belong to the "Live Member Club" you must get a new member.

Come on now, you can't be logical and be indifferent about this thing, so decide right now that you are not going to be a leaner, but a lifter.

Membership Committee, for the Promotion of Chemists' Best Interests.

The American Ceramic Society has in preparation a bibliography of ceramic literature, to be published in the near future.
NEW PUBLICATIONS BY PITTSBURGHERS

Bacon, R. F. and Hamor, W. A.
A broad treatment containing chapters by many experts. Contains contributions from the following Pittsburghers: A. E. Blake, F. W. Sperr, Jr., J. M. Camp, C. B. Francis, and A. W. Smeltz.

Bogue, R. H.
Easily the best book available in this field.

Johnson, Roswell H. and others.


Robinson, J. R.

United States Steel Corporation.
The Chemists’ Committee of the United States Steel Corporation created in 1907, is doing a valuable work in standardizing methods of steel works analysis. This, the latest contribution of the Committee, supersedes a pamphlet on the same subject published in 1912. The new edition is enlarged to the extent of six pages and is largely rewritten to embody the developments and refinements of the last decade, and to make it representative of the best modern practice. One noteworthy advance featured in the new edition is the distinct improvement in carbon combustion apparatus. The pamphlet is issued with the assistance of a sub-committee consisting of W. B. N. Hawk, William Brady, and H. E. Campbell, while the Chemists’ Committee in charge of all these “Methods” is headed by J. M. Caup.

Many Pittsburgh chemists will remember the “Methods for the Analysis of Ores, Pig Iron and Steel in Use in the Laboratories of Iron and Steel Works in the Region about Pittsburgh,” published under the editorship of the late Dr. F. C. Phillips in 1896. This early attempt to record the practice in laboratories in America’s greatest steel-making center was promoted largely by Mr. Camp. It included contributions from many of Pittsburgh’s best-known chemists and metallurgists, the first two sections, for example, being by John S. Unger and Frederick Crabtree, who twenty-five years ago were in charge of local steel-works laboratories.

The “American Magazine” for October, (p. 46), contains an interesting article entitled “Marvelous Secrets Revealed by the Microscope,” based on an interview with Dr. Alexander Silverman.
The Pennsylvania Department of Public Instruction, Harrisburg, issued under date of October 27 a pamphlet on “Arbor Day and Bird Day.” A section on “Mineral Resources of Pennsylvania” (p. 32) is by Fred. Crabtree.
The “Mineral Industry” for the year 1921 has just appeared, and it maintains the usual high standard of this valuable reference work. Among the contributors are two from the Pittsburgh Experiment Station of the United States Bureau of Mines—Robert J. Anderson, “Aluminium,” pp. 9-26; and M. W. Von Bernewitz, “Gold and Silver,” pp. 238-326.

A member of the Pittsburgh Section is a contributor to the following work:

Liddell, Donald M., Editor-in-Chief.

Valuable reference work dealing with principles and processes, plant design and financing. Includes some fifty pages on metallurgy and a chapter on radioactive elements. Chapters on rare metals and rare gases are by Dr. R. B. Moore, chief chemist of the United States Bureau of Mines, who will probably address the Pittsburgh Section on the latter subject in the near future. One of the most valuable chapters is that on “Fractional Distillation” by Dr. W. F. Faragher, a member of the Pittsburgh Section. This chapter is replete with foot-note references to original literature, in this respect excelling any other section of the “Handbook.”
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REPORT OF THE CANVASSING COMMITTEE

Total number of ballots sent in up to and including November first, the date specified for closing the balloting, was 66.

Nominating votes cast for the various officers were as follows:

For Chairman—
E. R. Weidlein .................................. 52
A. Silverman ...................................  6
F. C. Frary ....................................  3
E. Blough, H. H. Craver, J. O. Handy, C. J. Rodman and R. E. Zimmerman, one each.

For Vice Chairman—
A. Silverman ................................... 10
C. G. Fisher ...................................  8
A. Lowy ........................................  6
F. C. Frary ....................................  6
A. C. Fieldner ..................................  4
E. R. Weidlein ..................................  4
H. V. Churchill ................................  3
H. E. Slocum ..................................  3

For Secretary—
E. S. Stateler .................................. 43
R. Porter .......................................  8
G. W. Jones ....................................  2
V. C. Allison, R. W. Bridges, C. Engelder, C. L. Jones, C. J. Rodman, E. W. Tillotson, one each.

For Treasurer—
C. E. Nesbitt .................................. 61
A. E. Blake ....................................  1
P. V. Faragher ..................................  1

For Councilors—
A. C. Fieldner .................................. 48
J. O. Handy ................................... 40
R. E. Zimmerman ................................ 35
H. C. Weber ................................... 35
E. W. Tillotson ................................ 34
C. G. Fisher ................................... 33
H. V. Churchill ................................ 21
J. H. James ................................... 14
A. Silverman ................................... 11
H. H. Craver ...................................  8
W. A. Hamor ...................................  7
C. J. Rodman ...................................  6
E. Blough, G. F. Stegeman, K. K. Stevens, E. R. Weidlein and E. J. Casselman, four each.

A number of others received one vote each.

It will be noted first that only a small number of the members of the Section have expressed their preference. This preference, however, is quite definite for each office except the very important one of Vice Chairman. The Vice Chairman is the logical candidate at the end of each year for the office of Chairman, and therefore a full vote is desirable after conferences which should result in the concentration of the voting on not more than three candidates, as suggested in our By-Laws.

Jas. O. Handy,
E. R. Weidlein,
E. S. Stateler,
Canvassing Committee.

WITHDRAWALS
Withdrawal notices have been received from the following members:

For Vice Chairman
C. G. Fisher,
A. Lowy,
A. C. Fieldner,
E. R. Weidlein,
H. V. Churchill.

MEMBERSHIP CHANGES

New Members
Joan Daniel Brumbaugh, R. F. D. No. 1, Moultrie, Ohio.
Herbert C. Hoover, Mellon Institute, Pittsburgh, Pa.
Frank H. Trembly, Jr., 254 Bellefield Ave., Pittsburgh, Pa.

New Members by Transfer
Joseph Schimmel, 2406 Webster Ave., Pittsburgh, Pa. (From Baltimore, Md.)
Daniel H. Rupp, Dept. of Public Service, East Liverpool, Ohio. (From Lancaster, Pa.)
Ralph G. Guelius, 209 East Grant St., New Castle, Pa. (From Brooklyn, N. Y.)

Albert S. Carter, Box 194, Student Mail, Carnegie Inst. of Tech., Pittsburgh, Pa. (From Grecady, Colo.)
A. N. Parret, 250 Bellefield Ave., Pittsburgh, Pa. (From Minneapolis, Minn.)
Ray V. Murphy, Dept. of Chemistry, Carnegie Inst. of Tech., Pittsburgh, Pa. (From Bloomington, Ill.)

Carl D. Morneweck, 72 Sheridan Ave., Bellevue, Pittsburgh, Pa. (From Fredonia, Pa.)

Wm. W. Odell, Bureau of Mines, Pittsburgh, Pa. (From Washington, D. C.)

Members Lost by Transfer
Wm. Donald Wolfe, 10 Phillips St., Auburndale, Mass.
W. E. Durbrow, 1430 Manor St., Colum-
bia, Pa.
Robert H. Bogue, Chem. Dept., Lafayette
College, Easton, Pa.
Ralph D. Williams, Box 494, Station A,
Ames, Iowa.
Frank E. Rupert, South and Second Ave.,
Mount Washington, Baltimore, Md.
Madalyne S. Schairer, The Odorono
Company, Cincinnati, Ohio.
J. Kenneth W. Macalpine, Furnald Hall,
Columbia University, New York.

MELLON INSTITUTE OF INDUS-
TRIAL RESEARCH

Dr. R. H. Bogue, who for the past
five years had been the incumbent of
the Industrial Fellowship on Glue, left
on September 23 for Easton, Pa., where
he will be connected with the Depart-
ment of Chemistry of Lafayette College.
A. M. Howald (Ph.D., Pittsburgh) has
been selected to take Dr. Bogue’s place
on the Glue Fellowship.

William Stericker (Ph.D., Pittsburgh)
has accepted a position with the Phila-
delphia Quartz Company, of Philadelphia.

The following Industrial Fellowships
have been established in the Institute
since July 1, 1922: Food Container, Cor-
rosion, Gelatin, Ester, Oil, Metallic
Oxides, Slag, Gas, Liquid Carbonic and
Perfumes.

The following research chemists have
received appointments as Industrial Fel-
lows of the Institute since July 1, 1922:
W. F. Henderson (Ph.D., Pittsburgh); H. E. Dietrich (A.B., Kansas); C. R.
Texter (B.S., Pennsylvania State); T. B. Downey (M.S., Pittsburgh); J. J.
Fitzpatrick (B.Chem., Pittsburgh); W. F. Faragher (Ph.D., Kansas); W. A.
Gruse (Ph.D., Wisconsin); R. W. Henry
(B.S in Ch.E., Oklahoma); G. E. Seil
(Ph.D., Pittsburgh); Tracy Bartholomew
(E.M., Colorado School of Mines); J.
B. Garner (Ph.D., Chicago); C. L.
Jones (M.S., Pittsburgh); E. H. Balz
(Ph.D., Pittsburgh); and L. E. Gilson
(Pharm. B.S., California).

Jules Labarthe (B.S., California) has
been appointed an Industrial Fellow on
the Refractories Fellowship.

H. S. Searle (B.S., Queen’s University)
has received the appointment of Indus-
trial Fellow on the Nickel Fellowship.

Announcement has been received of
the marriage of Henry R. Curme (Ph.D.,
Pittsburgh), an Industrial Fellow of the
Institute, and Miss Georgia Garrett.

Mr. W. R. Kerr, of the Refractories
Fellowship, recently returned from
France, accompanied by his new bride,
former Mlle. Irma Perrin of Paris.

THE LITERATURE OF STAINLESS
STEEL

Stainless steel has received consider-
able attention in recent technical litera-
ture. The Carnegie Library of Pitts-
burgh has compiled a list of nearly one
hundred references on the subject, and
for a few days prior to the November
meeting some of the more important
references will be assembled in the Tech-
nology Department for the convenience
of those interested. The earlier litera-
ture of metal corrosion in general is
pretty well covered by two bibliographies
compiled by the Technology Depart-
ment—one printed in a book on the sub-
ject by Cushman & Gardner in 1910; and
a supplementary list printed in the Pro-
ceedings of the Engineer’s Society of
Western Pennsylvania in March, 1916.

WEIDLEIN FOR COUNCILOR-
AT-LARGE

At the special meeting held Septem-
ber 26, it was unanimously voted that
the name of E. R. Weidlein should
be suggested as a candidate for Coun-
cilor-at-large. It is a pleasure to me
urge that the other members of the
Pittsburgh Section vote for Mr. Weidlein
as one of the Councilors-at-large, using
the ballots sent out November first by
Secretary Parsons.

Among the names suggested for Coun-
cilor-at-large, of whom four are to be
chosen, those of John Johnston, R. H.
McKee, C. S. Miner, S. W. Parr, and
William McPherson are best known to
most of us.

Jas. O. Handy.

SEMINAR SCHEDULE

Department of Chemistry, University of
Pittsburgh, First Semester, 1922-23
Seminar (Chemistry 201) will be con-
ducted Tuesdays at 4:30 p.m. in 302
Thaw Hall. Fifteen contemporary Unit-
ed States chemists will be the topics of
discussion during the first semester.
Seven of these seminars have been
held. The schedule remaining is as fol-
lows:

Nov. 21, E. C. Franklin; Nov. 27, Otto
Polin; Dec. 5, H. S. Fry; Dec. 12, C.
Funk; Jan. 2, M. Gomberg; Jan. 9, W.
D. Harkins; Jan. 16, W. F. Hillebrand;

THE SHORT-HAUL IDEA!
FOR RENT—House, convenient to
cemetery. George L. McMasters.—(Ad-
certisement in Mississippi newspaper).
LOCAL INDUSTRIAL ITEMS

By E. J. Casselman

The United States Glass Corporation, Pittsburgh, Pa., has been incorporated with a nominal capital of $5000, to manufacture glass products. The incorporators are W. W. McAdams, B. D. Booker and Frank J. Holub, 747 Union Arcade, Pittsburgh. The last noted is treasurer and represents the company.

The Carnegie Steel Co. has blown in blast-furnace No. 1 at its Sharon, Pa., works, following a shut-down for about eight weeks. Two out of three stacks are now in operation at this plant.

The American Sheet & Tin Plate Co. has started up all remaining hot mills at its Farrell, Pa., works, totaling 30, bringing production in this department to capacity for the first time in more than two years. Extensive additions will be made in the working force. Arrangements are being perfected for the resumption of operations at the Aetna Standard plant at Pittsburgh, Pa. The company is advancing production at its Sharon, Pa., works, and has recently advanced wages 10 per cent. at this plant.

The Weirton Steel Co. has awarded a contract to the McClintic-Marshall Co., for the construction of a new plant addition, estimated to cost approximately $1,500,000, with equipment. The work will consist of twelve new mills, for the manufacture of black and galvanized sheets: all equipment will be electrically operated. It is expected to have the plant ready for service early in May, 1923. D. M. Weir is vice-president.

The Stroh Steel Hardening Process Co. will construct by day labor its proposed new plant at Chateau and Ridge streets, to consist of a number of buildings, including foundry for the production of steel castings. The plant will cost about $250,000, with equipment. W. Y. Stroh is president.

The Falk Co., Inc., care of Sachs & Caplan, 328 Frick Bldg., is being organized by Arthur C. Trask, Victor J. Poll and Louis J. Reizenstein, to manufacture oils, greases, tanning materials, etc. Application for a state charter will be made on October 30.

The Hanlon-Gregory Galvanizing Co., Twenty-fourth street and Allegheny Valley Railroad, is completing plans for the construction of a new one-story plant at Fifty-sixth and Butler streets, 100x400 ft., to be used for the manufacture of galvanized products. It will cost about $100,000.

The Ball Chemical Co., Fulton Bldg., has awarded a contract to the Williams & Haas Co., Empire Bldg., for the construction of a new building at Whitman Station, to cost about $25,000.

The Jones & Laughlin Steel Co., is advancing production at its blast-furnaces, and is now running at 75 per cent. of normal.

The Brighton Electric Steel Casting Co., Beaver Falls, Pa., has been incorporated with a capital of $25,000, to manufacture steel and other metal castings. The incorporators are W. D. Fox, New Brighton, Pa.; Fred Dewhirst and Earl D. Townsend, Beaver Falls. The last noted is treasurer and represents the company.

The Lee Tire & Rubber Co., Conshohocken, Pa., has advanced production at its plant, and is now running on a full day and night schedule.

The Armstrong Cork Co., has called a special meeting to approve an increase in capital from $17,000,000 to $30,000,000.

The Pittsburgh Experiment Station of the Bureau of Mines has just issued a 28-page list of the Station library's books on "Mineral Industry," constituting the first section of a contemplated "Classified Catalog."

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LABORATORY BOTTLES

THE TEST
IN OUR STOCK FOR IMMEDIATE SHIPMENT
OF SERVICE

No. 2220. Narrow Mouth Laboratory Bottles

LABORATORY BOTTLES, with flat glass stopper; these bottles are made in our own private moulds of a new formula lime glass developed under our direction and which, while not equal to Pyrex, Nonsol or similar glass in stability, is far superior in this respect to the ordinary flint glass mostly used in the manufacture of bottles. They were the first bottles to be made in the U. S. of the squat shape, heretofore available only in imported bottles. They hold the full capacity indicated, are of excellent appearance and are suitable in every way for use as reagent bottles where labelling is done in the laboratory.

2220. Bottles, Laboratory, narrow mouth, as above described.

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**Spring, 2017**

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Dr. Monique Hockman, Professor of Chemistry
Dr. William Kowallis, Assistant Professor of Chemistry
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