

## ANNOUNCEMENT OF THE JOINT COMMITTEE ON THE WORLD'S FAIR CHEMICAL CONGRESS.

TO AMERICAN CHEMISTS.

The World's Congress Auxiliary and the American Chemical Society have united in calling a meeting of the chemists of the world to attend a general Chemical Congress to be held in Chicago, beginning August 21st, 1893.

The members of the committee on the part of the World's Congress Auxiliary are Professors J. H. Long, W. S. Haines, M. Delafontaine, A. V. E. Young, and W. L. Brown, all of Chicago.

The members on the committee on the part of the American Chemical Society are Dr. Wm. McMurtrie, of 106 Wall street, New York; Professor C. F. Chandler, Columbia College, New York; Professor A. B. Prescott, Ann Arbor, Michigan; Professor C. E. Muuroe, Washington, D. C., and Dr. H. W. Wiley, of Washington, D. C.

The two committees have organized by selecting H. W. Wiley as Chairman and R. B. Warder, of Washington, D. C., as Secretary. The committee has appointed as the Advisory Council of the World's Congress of Chemists, a number of distinguished American and foreign gentlemen.

The American chemists who have been selected to act on this Advisory Committee are as follows:

P. T. Austen, New York.	F. A. Gooch, New Haven.
S. M. Babcock, Madison.	E. Hart, Easton.
E. H. S. Bailey, Lawrence.	J. B. Herreshoff, New York.
G. F. Barker, Philadelphia.	E. W. Hilgard, Berkeley.
H. C. Bolton, New York.	H. B. Hill, Cambridge.
H. Bower, Philadelphia.	C. L. Jackson, Cambridge.
A. A. Breneman, New York.	S. W. Johnson, New Haven.
G. C. Caldwell, Ithaca.	E. H. Keiser, Bryn Mawr.
R. H. Chittenden, New Haven.	J. W. Langley, Cleveland.
F. W. Clarke, Washington.	M. C. Lea, Philadelphia.
J. P. Cooke, Cambridge.	A. R. Leeds, Hoboken.
H. B. Cornwall, Princeton.	H. Leffmann, Philadelphia.
T. M. Drown, Boston.	M. Loeb, New York.
C. B. Dudley, Altoona.	J. W. Mallet, University of Virginia.
W. L. Dudley, Nashville.	A. Michael, Bonchurch.
P. C. Freer, Ann Arbor.	E. W. Morley, Cleveland.
W. Gibbs, Newport.	H. N. Morse, Baltimore.
C. A. Goessman, Amherst.	J. U. Nef, Chicago.

H. H. Nicholson, Lincoln.  
 T. H. Norton, Cincinnati.  
 W. A. Noyes, Terre Haute.  
 J. M. Ordway, New Orleans.  
 W. R. Orndorff, Ithaca.  
 I. Remsen, Baltimore.  
 A. H. Sabin, New York.  
 S. P. Sadtler, Philadelphia.

E. F. Smith, Philadelphia.  
 E. R. Squibb, Brooklyn.  
 W. E. Stone, Lafayette.  
 V. C. Vaughan, Ann Arbor.  
 R. B. Warder, Washington.  
 E. S. Wood, Boston.  
 T. H. Wormley, Philadelphia.

The foreign chemists who have been asked to serve on this committee are the following :

Sir F. A. Abel, London.  
 P. Alexejew, Kiew.  
 W. Alexejew, St. Petersburg.  
 A. H. Allen, Sheffield.  
 H. E. Armstrong, London.  
 A. Arnaud, Paris.  
 S. Arrhenius, Stockholm.  
 G. Arth, Nancy.  
 A. v. Baeyer, Munich.  
 L. Balbino, Messina.  
 P. Barbier, Lyons.  
 H. Baubigny, Paris.  
 E. Baumann, Freiburg.  
 A. Bechamp, Paris.  
 H. Becquerel, Paris.  
 P. P. Bedson, Newcastle.  
 F. Beilstein, St. Petersburg.  
 Sir L. Bell, Rounton Grange.  
 R. Benedikt, Vienna.  
 A. Bernthsen, Mannheim.  
 M. P. Berthelot, Paris.  
 R. Biedermann, Berlin.  
 C. A. Bischoff, Riga.  
 C. W. Blomstrand, Lund.  
 L. de Boisbaudran, Paris.  
 B. Brauner, Prague.  
 L. Brieger, Berlin.  
 A. C. Brown, Edinburgh.  
 J. C. Brown, Liverpool.  
 J. W. Brühl, Heidelberg.  
 H. Brunner, Liverpool.  
 G. Bunge, Basel.  
 A. Cahours, Paris.  
 S. Cannizzaro, Rome.  
 A. M. Chance, Oldbury.  
 H. Le Chatelier, Paris.  
 G. Ciamician, Bologna.  
 A. Classen, Aachen.  
 A. Claus, Freiburg.  
 P. T. Cleve, Upsala.  
 F. Clowes, Nottingham.  
 J. N. Collie, London.  
 W. Crookes, London.  
 Th. Curtius, Kiel.

O. Dammer, Berlin.  
 P. P. Deherain, Paris.  
 J. Dewar, Cambridge.  
 H. B. Dixon, Manchester.  
 G. Dragendorff, Dorpat.  
 E. Drechsel, Bern.  
 E. Duclaux, Paris.  
 E. Erlenmeyer, Aschaffenburg.  
 A. Etard, Paris.  
 E. Fischer, Berlin.  
 F. Fischer, Göttingen.  
 F. Fittica, Marburg.  
 R. Fittig, Strassburg.  
 E. Frankland, Reigate.  
 P. F. Frankland, Dundee.  
 E. Frémy, Paris.  
 R. Fresenius, Wiesbaden.  
 Ch. Friedel, Paris.  
 C. Gachtgens, Giessen.  
 A. Gamgee, Manchester.  
 A. Gautier, Paris.  
 D. Gernez, Paris.  
 A. Girard, Paris.  
 J. H. Gladstone, London.  
 C. Graebe, Geneva.  
 E. Grimaux, Paris.  
 C. F. Groves, London.  
 C. M. Gulberg, Christiania.  
 W. D. Halliburton, London.  
 O. Hammarsten, Upsala.  
 M. Hanriot, Paris.  
 A. R. Hantzsch, Zurich.  
 J. Hargreaves, Widnes.  
 A. V. Harcourt, Oxford.  
 W. N. Hartley, Dublin.  
 R. Hasenclever, Aachen.  
 O. Hehner, London.  
 W. Hempel, Dresden.  
 E. Herter, Berlin.  
 J. H. van't Hoff, Amsterdam.  
 F. Hofmeister, Prague.  
 F. Hoppe-Seyler, Strassburg.  
 A. Horstmann, Heidelberg.  
 D. Howard, Walthamstowe.

- C. G. Hüfner, Tübingen.  
 J. J. Hummel, Leeds.  
 H. Huppert, Prague.  
 F. Hurter, Widues.  
 M. Jaffé, Königsberg.  
 E. Jungfleisch, Paris.  
 A. Kekulé, Bonn.  
 S. H. B. Kerl, Berlin.  
 A. Kossel, Berlin.  
 G. Krause, Cöthen.  
 G. Krüss, Munich.  
 A. Ladenburg, Breslau.  
 H. Landolt, Berlin.  
 Ch. Lauth, Paris.  
 J. B. Lawes, Rothamstead.  
 J. A. Le Bel, Paris.  
 J. Lemberg, Dorpat.  
 I. Levinstein, Manchester.  
 A. Lieben, Vienna.  
 O. Liebreich, Berlin.  
 H. Limpricht, Greifswald.  
 C. Lintner, Munich.  
 A. Liversidge, Sydney.  
 W. Lossen, Königsberg.  
 E. Ludwig, Vienna.  
 G. Lunge, Zurich.  
 M. Maerker, Halle.  
 R. Meldola, London.  
 D. Mendeleëff, St. Petersburg.  
 E. v. Meyer, Leipsic.  
 L. Meyer, Tübingen.  
 V. Meyer, Heidelberg.  
 K. A. Moerner, Stockholm.  
 L. Mond, London.  
 G. Monselise, Milan.  
 H. F. Morley, London.  
 A. Mosso, Turin.  
 M. M. P. Muir, Cambridge.  
 A. Muntz, Paris.  
 F. K. Muspratt, Liverpool.  
 A. Naumann, Giessen.  
 M. Nencki, St. Petersburg.  
 W. Nernst, Leipsic.  
 B. E. R. Newlands, London.  
 R. Nietzki, Basel.  
 L. F. Nilson, Stockholm.  
 E. Noelting, Mulhouse.  
 W. Odling, Oxford.  
 W. Ostwald, Leipsic.  
 C. O'Sullivan, Burton-on-Trent.  
 H. Pellet, pres Huy, Belgium.  
 W. H. Perkin, Sudbury.  
 W. H. Perkin, Jr., Manchester.  
 A. Petermann, Gembloux.  
 M. v. Pettenkofer, Munich.  
 S. U. Pickering, Herts.  
 A. Pinner, Berlin.  
 J. Post, Hanover.  
 H. R. Procter, Leeds.  
 W. Ramsay, London.  
 F. M. Raoult, Grenoble.  
 B. Redwood, London.  
 J. F. Reynolds, Dublin.  
 C. H. L. Ritthausen, Königsberg.  
 Sir H. E. Roscoe, London.  
 P. Sabatier, Toulouse.  
 E. Salkowski, Berlin.  
 O. L. Salomon, Berlin.  
 W. Saunders, Ottawa.  
 C. Scheibler, Berlin.  
 A. Scheuerer-Kestner, Charron.  
 H. Schiff, Florence.  
 T. Schloesing, Paris.  
 O. Schmiedeberg, Strassburg.  
 T. Schneider, Paris.  
 P. Schützenberger, Paris.  
 E. Schunck, Kersal.  
 H. Schwanert, Greifswald.  
 F. Selmi, Bologna.  
 K. Seubert, Tübingen.  
 W. Smith, London.  
 A. Smithells, Leeds.  
 F. Soxhlet, Munich.  
 W. Spring, Luttich.  
 W. Staedel, Darmstadt.  
 F. Stohmann, Leipsic.  
 A. Stutzer, Bonn.  
 F. Sutton, Norwich.  
 J. Thomsen, Copenhagen.  
 T. E. Thorpe, London.  
 F. Tiemann, Berlin.  
 W. A. Tilden, Birmingham.  
 G. Tschermak, Vienna.  
 P. Waage, Christiania.  
 R. Warington, Harpenden.  
 A. C. Williams, Sheffield.  
 A. W. Williamson, London.  
 E. Willm. Lisle.  
 C. Winkler, Freiberg.  
 J. Wislicenus, Leipsic.  
 C. R. A. Wright, London.  
 G. Wyruboff, Paris.

A preliminary organization of the Congress has been made by the Committee by dividing the subjects to be discussed into ten classes, namely: Agricultural Chemistry, Analytical Chem-

istry, Didactic Chemistry, Historical Chemistry and Bibliography, Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Physiological Chemistry, Sanitary Chemistry, and Technical Chemistry.

The Committee selected as temporary Chairmen of these sections for the purpose of organization the following named gentlemen, who have accepted the positions and commenced work thereon: Agricultural Chemistry, H. W. Wiley; Analytical Chemistry, Professor A. B. Prescott, Ann Arbor, Michigan; Didactic Chemistry, Professor W. E. Stone, La Fayette, Indiana; Historical Chemistry and Bibliography, Dr. H. C. Bolton, University Club, New York; Inorganic Chemistry, F. W. Clarke, Geological Survey, Washington, D. C.; Organic Chemistry, Professor Ira Remsen, Johns Hopkins University, Baltimore, Maryland; Physical Chemistry, Professor R. B. Warder, Howard University, Washington, D. C.; Physiological Chemistry, Professor V. C. Vaughan, Ann Arbor, Michigan; Sanitary Chemistry, Dr. H. Leffmann, 715 Walnut street, Philadelphia, Pennsylvania; and Technical Chemistry, Dr. Wm. McMurtrie, 106 Wall street, New York.

A circular stating the purpose of the Congress has been sent to all foreign chemists whose names and addresses could be obtained. A second circular is in preparation, giving more detailed accounts of the character of the meeting, the organization of the committees, and other matters relating to the Congress and this will be sent in a few days to all chemists whose addresses can be secured. A third circular will probably be issued later, showing as far as possible the program which will be followed, with the titles of the papers which will be read, and other matters relating to the organization of the Congress.

Quarters for the Congress will be provided by the World's Columbian Exposition authorities and it is expected that the Congress will continue in session from ten days to two weeks.

An especial effort has been made to enlist the co-operation of distinguished foreign chemists. Each Chairman of a subsection has submitted the names of those whom he wishes to be particularly invited to deliver addresses or read papers before the Congress to the Chairman of the Joint Committee, who has

in each case sent an invitation on behalf of the committee. Nearly three hundred invitations of this kind have been sent to distinguished foreign chemists and many acceptances have already been received.

It is the intention to have the papers divided in such a way that those of a more popular character will be delivered as addresses before the whole Congress, while those of a more strictly scientific character will be read in meetings of the several subsections. Provision will be made for the publication of the proceedings of the Congress in a volume, which can be secured by all members of the Congress who wish to have it. It is expected that the discussion of the papers will take a wide range and that all the problems which are now occupying the minds of the world's chemists will receive due consideration. The language of the Congress will be either, English, French, or German, as the speaker may elect, but it is thought that most of the papers and addresses will be given in English. Several foreign chemists who have accepted invitations to read papers have sent word that they would read in English.

It is hoped that all American chemists will take a special interest in this Congress. It is due to the distinguished visitors who shall come to our shores at that time, that they receive proper attention from their co-laborers on this side of the water. Through the American Chemical Society the chemists of the United States are securing a powerful organization, and it is to the members of this Society that this appeal is especially made to be present and take part in the proceedings of the Congress. But the co-operation of all American chemists is earnestly desired. Not only is this a scientific, but a patriotic duty and every chemist in the United States should feel that it is his privilege as well as duty to do something towards making the Congress a success. The best thing he can do of course, is to be present at its meetings and take part in its proceedings, and it is hoped that the great majority of the members of the American Chemical Society may find it possible to arrange their business affairs so as to be present in Chicago from the 15th to the 31st of August.

During this time other meetings of interest to chemists will

take place in or near Chicago. The American Association will hold its meeting in the latter part of August, at Madison, Wisconsin, and the Chemical Section is one of the most powerful sections of that Association. It is probable that the next meeting of the Association of Official Agricultural Chemists will be held in Chicago at or near the time of the World's Congress. The American Pharmacists' Association will also hold its annual meeting in Chicago at about this time and there is a very strong chemical section in this Association. It is thought also that the Mining Engineers may hold a meeting in Chicago, at about this date, although this is a matter which is not yet definitely determined.

When all these facts are considered it is seen that the opportunity is now offered American Chemists of promoting one of the most important Congresses that the science of chemistry has ever called together; a Congress which will not only be of absorbing interest during its meetings, but far reaching in its influence on the science and practice of chemistry in all parts of the world.

For particulars in regard to the place and time of meeting; and for information concerning the obtaining of quarters, and for all detailed matters concerning the Congress, American chemists are requested to address Professor J. H. Long, corner 26th street and Prairie avenue, Chicago, Ill., who will turn the requests over to the proper Committee for attention. Titles of papers to be presented should be sent to the Chairmen of the several subsections, or to the Chairman of the Joint Committee.

H. W. WILEY,

Chairman of the Joint Committee.

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## PATENTS OF INTEREST TO CHEMISTS.

EDITED BY ALBERT H. WELLES.

*Ore Separators, etc.*—Orrin B. Peck has a number of patents on a centrifugal ore separator (489,090, 489,197 to 489,205 and 490,084), and 490,041, a centrifugal amalgamator. Nos. 489,744, 490,849, and 490,850 were granted George Johnston for an ore concentrator; 490,911 to Wilhelm Krug for an ore