

The CLINICAL

Chemist



HUGH J. McDONALD
Nominated for President
1953-1954



LT. COL. MONROE E. FREEMAN
Vice-Presidential Nominee
1953-1954

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THE SECRETARY REPORTS

At this writing the Association is now entering the fifth year of its organization. We have available a great deal of data concerning the geographical distribution of our membership, and the training and experience of many clinical chemists. However, much pertinent data is not yet available to us. It would certainly be of interest to have statistical studies as to the number of hospitals and medical institutions that are now employing competent clinical chemists; the extent of the staffs of such laboratories as a function of the size and activities of the institutions; and the salary ranges of such positions. The compiling of these statistics would of course require a good deal of effort, cooperation, and expense.

Such a survey was carried out in the Department of Hospitals of the City of New York. The results of this survey after a year's study, were reported in great detail and submitted on October 16, 1950 to Commissioner Marcus D. Kogel by Dr. Warren M. Sperry, chairman of the committee. A covering letter stated in part, "For reasons which are discussed in detail in the report, we were led to the conclusion that the clinical chemical service in most of the New York City Hospitals is inadequately staffed, housed, and equipped. We are recommending detailed changes which, if adopted, will go far, in our opinion, to rectify the conditions which now exist.... We realize that the adoption of all of our recommenda-

INVITATION

The Southern California Section, host to the AACC at the 123rd National Meeting of The American Chemical Society, extends the following invitation:

The members of the Southern California Section wish to extend a cordial welcome to all members of the American Association of Clinical Chemists to meet with them at a luncheon to be arranged for some convenient time during the 123rd National Meeting of the American Chemical Society, March 15 to 19, Los Angeles.

When you arrive in Los Angeles, do not forget to look up the time and place! Call our chairman, Dr. Richard J. Henry, at the Bio-Science Laboratories, CRestview 4-5106.

Announcements will be posted at the ACS Registration Centers, Galeria, Hotel Biltmore; Ballroom Floor, Hotel Statler.

1953 DIRECTORY

As a supplement to this issue of THE CLINICAL CHEMIST, every member of the AACC will receive a copy of the 1953 Directory. This directory has been compiled from the latest files of the Association and contains the names of the elected membership as of January 1, 1953, with their last known mailing address. The directory of the Association is one of its assets and the use as a mailing list for circularizing purposes is prohibited unless written permission for that purpose is first obtained from the National Secretary.

tions would entail additional expenses, but we believe that the expenditure would be more than justified in terms of improved services to the patients of our hospitals."

As a result of the above survey, and with the cooperation of the Commissioner, the Department is being effectively improved as it pertains to clinical chemical services. Perhaps more such surveys would be indicated on a local, state, or national level to bring to the attention of hospital administrators the ways and means in which these important services could be improved.

Max M. Friedman, National Secretary

NOMINATING COMMITTEE ANNOUNCEMENT

The National Nominating Committee, elected to serve in 1952 proposed the following nominees for the National Executive Committee for voting by the membership of the AACC.

Dr. Hugh J. McDonald, Professor and Chairman of the Department of Biochemistry, Stritch School of Medicine Loyola University and present Vice-President of the AACC was nominated as President.

Lt. Col. Monroe E. Freeman, Chief of Department of Biochemistry, Army Medical Service Graduate School, and Chief of the Allied Science Section M.S.C. was proposed as Vice-President. Dr. Freeman was instrumental in the organization of the Washington Section of the AACC.

Dr. Max M. Friedman, Senior Chemist Queens General Hospital, N.Y. and Dr. Louis B. Dotti, Chemist to St. Luke's Hospital, N.Y. were nominated to retain their present positions as Secretary and Treasurer respectively.

The proposed members of the new National Executive Committee are, Drs. Albert E. Sobel, New York, Cecilia Riegel, Philadelphia, Joseph I. Routh, Iowa State University, Arthur Knudson, Albany Medical College, and Robert M. Hill, University of Colorado.

The above nominations were proposed by the 1952 Nominating Committee consisting of Harry Sobotka, Louis B. Dotti, Samuel Natelson, Joseph Benotti, Miriam Reiner, Warren Sperry and John G. Reinhold. Members have the opportunity to write in names of their own choosing in the space provided on the ballot.

The elected National Executive Committee will serve from July 1, 1953 to June 30, 1954.

EXECUTIVE COMMITTEE ELECTION

Members are urged to send in their ballots for the election of the National Executive committee. Ballots, together with appropriate envelopes were included with this issue of THE CLINICAL CHEMIST. The proposals of the Nominating Committee are indicated. Members may write in their own choice in the spaces provided. Seven names are required for the 1953 Nominating Committee. Ballots must be post marked on or before April 15, 1953 to be counted.

**CLINICAL CHEMISTRY PROGRAM
123rd NATIONAL ACS MEETING**

The program of the Division of Biological Chemistry, American Chemical Society, features one afternoon devoted to papers on clinical chemistry. The session will be held Monday afternoon, March 16, in the Renaissance Room, Hotel Biltmore, Los Angeles, Calif. Dr. Otto Schales will preside.

MONDAY AFTERNOON PROGRAM

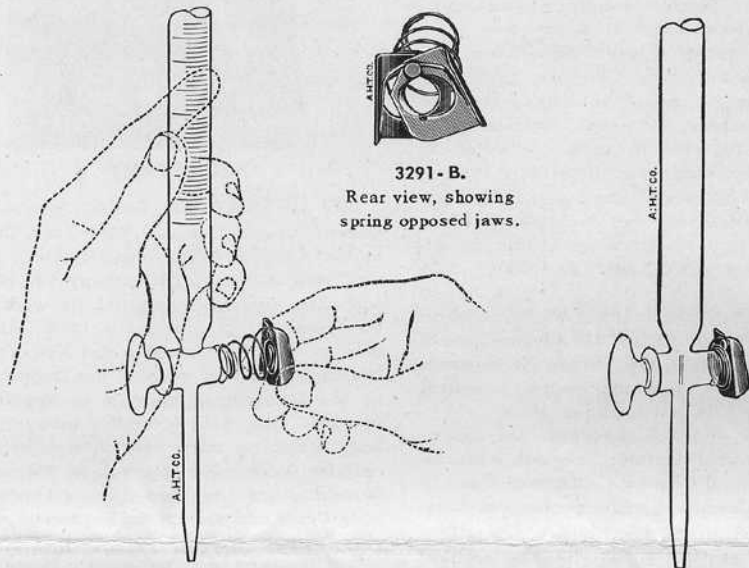
- 2:00-13.* OTTO SCHALES. Introductory Remarks.
- 2:05-14. RICHARD J. HENRY. Review of Interlaboratory Accuracy Surveys of Clinical Chemical Analyses.
- 2:35-15. EARL M. BILGER, LEONORA NEUFFER BILGER, AND EDWARD IZAWA. An Experimental Proposal of New Methods for the Determination of Barbiturates in Biological Fluids.
- 2:50-16. BERNARD F. MCKENZIE AND MARSHELLE H. POWER. Determination of Barbiturates in Blood.
- 3:05-17. HENRY TAUBER, WILTON E. VANNIER, EDWARD L. PETIT, AND HAROLD J. MAGNUSON. Serum Changes in Diseases as Found by Paper Chromatography.
- 3:20-18. ALBERT L. CHANEY AND WILLIAM E. MCKEE. The Determination of Urinary Estrone and Estradiol.
- 3:35-19. ALBERT ZLATKIS, BENNIE ZAK, HAROLD H. BROWN, AND ALBERT J. BOYLE. A New and Rapid Method for the Determination of Free Serum Cholesterol.
- 3:50-20. ALBERT L. CHANEY AND KENNETH D. JOHNSON. The Direct Micro-Titration of Serum Calcium.
- 4:05-21. ALFRED D. WINER AND DWIGHT M. KUHNS. Determination of Serum and Urine Calcium by Flame Spectrophotometry using a Photomultiplier Tube.
- 4:20-22. GEORGE R. KINSLEY AND ROSCOE R. SCHAFFERT. Effect of Organic Solvents on the Emission Spectra of Cations in Serum and Aqueous Solutions.
- 4:35-23. BENNIE ZAK, ALBERT ZLATKIS, AND ALBERT J. BOYLE. The Quantitative Estimation of Serum Bilirubin with the Acid Iron Reagent.
- 4:50-24. KENNETH D. JOHNSON AND HERBERT I. HARDER. A Rapid Titrimetric Method of the Estimation of Serum Lipase.

*Time and paper number

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Biographical Sketches of Proposed New Officers

PRESIDENT

HUGH J. MCDONALD. Born, Glen Nevis, Ontario, Canada, July 27, 1913; Queen's University, 1930-1932; B.Sc. in Chemistry (with highest honors), McGill University, 1935; M.S., Carnegie Institute of Technology, 1936; D.Sc., 1939. Major work for doctorate in physical chemistry, with minors in organic chemistry, physiological chemistry and physics.

Research fellow, teaching assistant and part time instructor, Carnegie, 1936-1939; instructor in chemistry, Illinois Institute of Technology, 1939-1941; Assistant Professor, 1941-1943; Associate Professor, 1943-1946; Professor, 1946-1948; Professor and Chairman, Department of Biochemistry, Stritch School of Medicine of Loyola University, Chicago, since 1948. Consultant, Argonne National Laboratory, since 1946. Manhattan Project, Columbia University, 1943. Awarded competitive scholarship, Royal Institution for Advancement of Learning, 1933-1934. Sigma Xi research award, 1944; research award, American Academy Arts and Sciences, 1945.

Fellow, A.A.A.S., 1946; Member, American Chemical Society; American Association Clinical Chemists (Chairman Committee on Education); Electrochemical Society; American Association University Professors; Sigma Xi; Phi Lambda Upsilon; Alpha Chi Sigma, Chaos Club (Chicago).

Dr. McDonald is the present Vice-President of the AACC, and Chairman of the Committee on Education.

VICE-PRESIDENT

MONROE E. FREEMAN, Chief, Department of Biochemistry Army Medical Service Graduate School, also Chief, Allied Science Section, M.S.C., Office of the Surgeon General, Department of the Army.

Educated at the University of Minnesota, B.S., M.S., Ph.D. (1928-1931 in biochemistry).

Has served as instructor of chemistry at University of Arizona, 1929-30; Assistant Professor Biochemistry, University of Maine 1930-1936; and Professor of Chemistry at University of Massachusetts 1936-1948.

Entered Regular Army in 1948 at the Army Medical Service Graduate School. World War II service as chief of chemistry and toxicology section of the First Medical General Laboratory in the European Theatre of Operations.

Investigative interests in plant virus diseases, hemicelluloses, carbohydrates, clinical chemistry, lipid hemolysins, hyaluronidase, bacterial antigens.



SECRETARY

MAX M. FRIEDMAN, Senior Chemist at Queens General Hospital, New York, Consultant Chemist at Lebanon Hospital. He was born in Austria on January 24, 1907 and completed his undergraduate work at the University of Alabama in 1930. After also studying at Columbia and New York University he was awarded his Doctorate by the Polytechnic Institute of Brooklyn in 1947. His main scientific interest is body water or, more specifically, extracellular fluids. His research for the past several years has been divided between body fluids and nucleic acid in normal and pathological tissues.

Dr. Friedman was the first President of the AACC and has served as National Secretary since 1950.



TREASURER

LOUIS BASIL DOTTI is Chemist at St. Luke's Hospital in New York City and Lecturer in Physiology and Biochemistry at the New York Medical College. He was born in New York City on August 13, 1903, and graduated from Columbia University in 1929. He also did his post-graduate work at Columbia, receiving his M.A. in 1931 and his Ph.D. in 1936. He has worked extensively on carbohydrate and calcium metabolism, digestive enzymes and liver function tests.

Dr. Dotti has been Treasurer of the AACC since 1948.

MEMBERS OF THE EXECUTIVE COMMITTEE

ALBERT E. SOBEL, Head of the Department of Biochemistry of the Jewish Hospital of Brooklyn is also Adjunct Professor of Chemistry at the Polytechnic Institute of Brooklyn. He was born in Luko, Hungary on September 24, 1906. He holds the degrees of Bachelor of Science (1930) and Chemical Engineer (1935) from Cooper Union. He was awarded a Masters degree from Columbia University in 1936 and received his doctorate from the Polytechnic Institute of Brooklyn in 1940. He is the author of 76 papers on micro methods, mineral metabolism, sterols, gastric ulcers and aqueous dispersion of fat-soluble vitamins.

Dr. Sobel is at present President of the AACC. His term expires June 30, 1953.

ARTHUR KNUDSON. Associate Dean and Professor of Biochemistry at Albany Medical College, Albany, N.Y. Dr. Knudson was born in Milwaukee, Wisc., August 13, 1889. He received his doctorate degree at Columbia University 1914 in biochemistry after attending Missouri and Wisconsin Universities. Post-doctorate work took him to Harvard and to Cambridge. He has been associated with Albany Medical College since 1914. He has held the chair in biochemistry since 1921. He was appointed Associate Dean in 1943.

Dr. Knudson is well known for his work on food and nutrition and was a member of the National Research Council 1943-1945 and did research for the Armed Forces in the last war. His interests center on the biochemistry of lipids; radiation; vitamin D; metabolism in leukemia; metabolism of cholesterol and cholesterol esters; chemical assay of digitalis and strophanthus series.

Dr. Knudson has returned from a year's leave, teaching in the medical schools of Bangkok, Thailand.

ROBERT M. HILL, Professor of Biochemistry University of Colorado, received his doctorate in biochemistry from Cambridge 1931 and Copenhagen 1932. Was formerly Asst. Professor of Biochemistry School of Medicine, Loyola University and Assoc. Professor Biochemistry, University of Colorado.

Dr. Hill served with the U.S. Navy and Public Health Service during World War II as a civilian consultant. His scientific interests concern sulphur oxidations, plasma proteins, body temperature control and metabolism of tumors.

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