Columbia University. Without the application of a sampling procedure the problem can only be solved either by a complete physical inventory which is very costly, or by a cycle check which takes many years to complete. By use of the sequential sampling method, results of desired accuracy are obtained quickly and at very low cost since an extremely small percentage of field inspection for the mass property accounts of any large utility produces satisfactory conclusions.

NEWS AND NOTICES

Readers are invited to submit to the Secretary of the Institute news items of interest.

Personal Items

Dr. Ralph A. Bradley accepted an appointment as Assistant Professor in the Mathematics Department of McGill University, Montreal, Canada after receiving his Ph.D. in mathematical statistics at the University of North Carolina in June, 1949.

Mr. Fred J. Clark, Jr. received his master of science degree in mathematics from the University of Illinois in August, 1949 and is now employed by the University of California at the Sandia Laboratory in Albuquerque, New Mexico.

Professor J. L. Doob is on leave from the University of Illinois to teach at Cornell University for the academic year 1949–1950.

Mark W. Eudey obtained his Ph.D. degree in statistics at the University of California, Berkeley, and is now Vice President of California Municipal Statistics, Inc.

Dr. Joseph L. Hodges, Jr. has been promoted to Assistant Professor and Research Associate at the Statistical Laboratory, University of California, Berkeley.

Professor Paul Horst, formerly of the Department of Psychology, University of Washington, is now Director of Research at the Educational Testing Service, Princeton, New Jersey.

Dr. Fred C. Leone, formerly an Instructor and a Research Fellow at Purdue University, has been appointed Instructor in the Mathematics Department and Director of the Statistical Laboratory at the Case Institute of Technology.

Mr. Fred W. Lott, who has been studying at the University of Michigan for his Ph.D., has accepted an assistant professorship at Iowa State Teachers College, Cedar Falls, Iowa.

Dr. Francis McIntyre has resigned as Director of Export Control, Office of International Trade, U. S. Department of Commerce, Washington, D. C. to accept a post as Director of Economic Research, California Texas Oil Co., 551 Fifth Avenue, New York, New York.

Mr. R. B. Murphy, who has been a graduate student at Princeton University has accepted an instructorship in the Mathematics Department of Carnegie Institute of Technology.

Professor Jerzy Neyman, Director of the Statistical Laboratory, University of California at Berkeley, will be on sabbatical leave for the Spring Semester, 1950.

Mr. Monroe L. Norden, formerly of the Glenn L. Martin Co., is now a Mathematical Statistician with the Operations Research Office, Johns Hopkins University, Ft. Lesley, J. McNair, Washington 25, D. C.

Mr. D. Martin Sandelius, formerly a Research Assistant in the Institute of Statistics, Uppsala, Sweden, has been appointed Lecturer in the Mathematics Department, University of Washington, Seattle, for the academic year 1949–1950.

After completing his graduate work at Ohio State University, Dr. William J. Schull accepted a position with the Atomic Bomb Casualty Commission. He is now in Japan as a geneticist working on follow-up studies at Hiroshima.

Miss Elizabeth L. Scott obtained her Ph.D. degree in statistics at the University of California, Berkeley and was promoted to Lecturer and Research Associate at the Statistical Laboratory.

Miss Ester Seiden obtained her Ph.D. degree at the University of California, Berkeley and was promoted to Lecturer and Research Associate at the Statistical Laboratory.

Mr. Iriving H. Siegel is on leave from his position as Chief Economist at the Veterans Administration until June 30, 1950, to serve as Lecturer in Political Economy at the Johns Hopkins University and as a member of the Johns Hopkins University Operations Research Office staff.

Dr. Charles M. Stein, Assistant Professor and Research Associate at the Statistical Laboratory, University of California, Berkeley, will be on leave for the academic year 1949–1950 and will be working in Paris as a National Research Fellow.

Alfred James Lotka

Alfred James Lotka, a Fellow of the Institute, died in Red Bank, New Jersey, on December 5, 1949. He was born of American parents in Poland, March 2, 1880, and had his early schooling in France. His academic training was received at Birmingham, England (B.Sc., 1901, and D.Sc., 1912), Cornell (M.A., 1909), and Johns Hopkins (1922–1924). Dr. Lotka came to the Statistical Bureau of the Metropolitan Life Insurance Company in 1924 and retired as Assistant Statistician in 1947. His major contributions were his highly original work on the mathematical theory of evolution, on the mathematical analysis of population, and on the theory of self-renewing aggregates. Altogether, Dr. Lotka had almost 100 papers in these fields in technical and scientific journals, both here and abroad. The essentials of his work are summarized in his books, "The Elements of Human Biology" and "Theorie analytique des associations biologiques." He was, in addition, a joint author on several books in the field of public health.

Dr. Lotka was a past president of the American Statistical Association and of the Population Association of America. He had recently been active as American Vice-President of the International Union for the Study of Population.

Statistical Summer Session in Berkeley, Calif.

Following the established pattern, there will be held this year a Statistical Summer Session at the University of California, Berkeley. The faculty will include William G. Cochran of Johns Hopkins University, Benjamin Epstein of Wayne University, Erich L. Lehmann of the University of California, Paul Lévy

of the Ecole Polytechnique, Paris, France and Gottfried E. Noether of New York University.

Courses will be offered on both the graduate and the undergraduate levels. The graduate courses, all given during the First Summer Session, June 19 to July 29, are meant primarily for students who either have already obtained their Ph.D. degree or are working toward it. No specific prerequisites to graduate courses will be required. The graduate program includes (i) a course on design of experiments and a seminar on analysis of variance by W. G. Cochran, (ii) a course on theory of estimation by E. L. Lehmann, and (iii) a course and a seminar on random variables and random functions by Paul Lévy.

Inquiries should be addressed to the Office of the Summer Sessions, 1A Administration Building, University of California, Berkeley 4, California.

At a meeting of its Executive Council, AAPOR has laid plans for its 1950 meetings to be held jointly with the World Association for Public Opinion Research (WAPOR) at Lake Forest College, near Chicago, June 16 to 20.

The program which is now being planned will be designed to fit the needs of the Association's membership, which is composed of leaders in both the academic and commercial fields.

The Council of the Institute of Mathematical Statistics requested Professor Harold Hotelling to communicate to Professor S. S. Wilks its appreciation of his editorship of the *Annals* during the years 1938 to 1949. On the recommendation of the Council Professor Hotelling's letter is reproduced below.

January 6, 1950

Professor Samuel S. Wilks
Fine Hall
Princeton, New Jersey
Dear Professor Wilks:

In behalf of the Council of the Institute of Mathematical Statistics and by its direction, I write to express the appreciation we all feel for the splendid efforts which you have expended so freely upon the *Annals of Mathematical Statistics*, and which have been so conspicuously successful in establishing it as a sound and reputable journal. The years of your editorship are memorable ones for the history of statistics, and your contribution to making them so is of first importance.

Very sincerely,
Harold Hotelling

New Members

The following persons have been elected to membership in the Institute

(August 23, 1949 to November 30, 1949)

Anderson, Oskar, Ph.D. (Kiel) Professor, University of Munich, *Konigin-Strasse 69, Munich (Munchen), Germany*

Puente Arroyo, Felix Jorge, CPA, (Univ. Nal. Litoral) Professor titular Mathematics, *Italia 1550, Rosario, Republica Argentina.*

Arvanitis, Ernest A., A.B. (Boston Univ.) Student at Columbia University, *43–18 40th Street, Sunnyside, L. I., New York*

Bhatt, Narbheshanker M., Ph.D. (Edinburgh Univ.) Professor of Statistics, Commerce College, Behind Raopura Tower, Baroda, India

Bose, Raj Chandra, D. Litt (Calcutta Univ.) Professor of Mathematical Statistics, University of North Carolina, *110 Noble Street, Chapel Hill, North Carolina.*

Carreiro, Oscar Ediwaldo Porto, Civil Engineer (Univ. of Brazil) Professor da Faculadade de Ciencias Economicas, Avenida Sao Sebastiao 266, Sao Paulo, Brazil.

Crump, Phelps P., B.S. (Iowa State) Graduate Student and Research Assistant, *Box 5457, State College Station, Raleigh, North Carolina*

Davis, Richard L., B.S. (North Carolina State) Sales Engineer, *Box 304, Charlotte, North Carolina*

Dickman, Sidney, A.B. (Brooklyn College) Graduate Student at Columbia University, *2823 West 25th Street, Brooklyn 24, New York*

Fitzgerald, Rev. John F., S.J., M.S. (Univ. of Detroit) Assistant Professor of Physics and Mathematics, College of the Holy Cross, Worcester 3, Massachusetts.

Godsey, Ellis B., B.S. (Indiana Univ.) Analytical Statistician; Army Chemical Corps, *1716 Pin Oak Road, Baltimore 4, Maryland*

Ghurye, S. G. M.Sc. (Univ. of Bombay) Student and assistant, Department of Mathematical Statistics, *c/o The Institute of Statistics, Phillips Hall, Chapel Hill, North Carolina*

Gutt, Paul, M.S. (Univ. of Chicago) Ordnance Research #1, Mathematician, *6421 S. Ellis, Chicago, Illinois*

Harman, Harry H., S.M. (Univ. of Chicago) Chief, Statistical Research and Analysis Unit, Personnel Research Section, AGO, Dept. of the Army, *4111 Maryland Ave. (Brookmont), Washington 16, D. C.*

Henderson, Charles R., Ph.D. (Iowa State) Associate Professor, Animal Husbandry Department, Cornell University, Ithaca, New York.

Harter, Harman Leon, Ph.D. (Purdue Univ.) Assistant Professor of Mathematics, Michigan State College, East Lansing, Michigan.

Hoffman, William Charles, M.A. (Univ. of Calif. at Los Angeles) Graduate Assistant, Department of Mathematics, Cornell University, Ithaca, New York.

Hydeman, William Robert, M.A. (Syracuse Univ.) Mathematician, U. S. Navy Department, *3810—39th Street, N.W., Washington 16, D. C.*

Kellerer, Hans, Ph.D. Referent, Bayerisches Statistisches Landesamt, Munchen 8, Rosenheimerstr 130, Germany.

Kramer, Kenneth H., M.S. (Carnegie Inst. of Tech.) Teaching Assistant at Carnegie Institute of Technology, *279 Seneca Street, Turtle Creek, Pennsylvania*

Lieberman, Gerald J., M.A. (Columbia Univ.) Engineer and Mathematical Statistician, Statistical Engineering Laboratory, National Bureau of Standards, Washington 25, D. C.

Lindley, Dennis V., M.A. (Cantab) University Demonstrator in Mathematics, Statistical Laboratory, St. Andrews Hill, Cambridge, England.

Malan, A. P., M.Sc. (South Africa) Professor, U.C.O.F.S., Bloemfontein, South Africa.

Rasch, G., Ph.D. (Copenhagen) Chief of Statistical Department, State Serum Institute, Copenhagen, Denmark

Recao, Manuel Felipe, B.A. (Univ. Venezuela) Director General de Estadistica, Minesterio de Fomento, Professor of Mathematics, Facultad Ciencias Economics, Central University, Calle Real Chacao, Quinta "La Paz," Chacao, Estado Miranda, Venezuela.

Riggs, Charles L., Ph.D. (Univ. of Kentucky) Assistant Professor of Mathematics, Department of Mathematics, Kent State University, Kent, Ohio.

Saxer, Walter, Ph.D. Professor a.d. Eldg. Techn. Hochschule, Zurich, Goldbach-Kusnacht, Switzerland.

Scobert, Whitney, M.S. (Univ. of Oregon) Associate Professor of Mathematics, Mathematics Department, Idaho State College, Pocatello, Idaho.

Serfling, Robert E., Ph.D. (Univ. of Mich.) Senior Scientist, Officer in Charge, Statistical Branch, Epidemiology Division, Communicable Disease Center, U. S. Public Health Service, Atlanta, Georgia.

Steyn, Hendrik S., Ph.D. (Univ. of Edinburgh) Lecturer in Statistics, University of Pretoria, *305 Fourth Private Avenue, Villieria, Pretoria, South Africa.*

Zacharias, William B., A.M. (Univ. of Pennsylvania) Instructor in Mathematics, Temple University, *1529—67th Avenue, Philadelphia 26, Pennsylvania*

Zeigler, R. K., Ph.D. (Univ. of Iowa) Associate Professor of Mathematics, Mathematics Department, Bradley University, Peoria 5, Illinois.

REPORT OF THE NEW YORK MEETING OF THE INSTITUTE

The twelfth Annual Meeting of the Institute of Mathematical Statistics was held in New York City on December 27–30, 1949. Headquarters were at the Biltmore Hotel where most of the sessions were held; one or more of the sessions were held at the Hotel Commodore, the McAlpin Hotel, and the Governor Clinton Hotel. The meeting was held in conjunction with the Annual Meeting of the American Statistical Association, the American Association for the Advancement of Science, the American Mathematical Society, the Econometric Society, the Psychometric Society, the Mathematical Association of America, the Association for Computing Machinery, and the American Psychological Association. The following 214 members of the Institute attended:

F. S. Acton, P. H. Anderson, R. L. Anderson, T. W. Anderson, H. E. Arnold, K. J. Arnold Max Astrachan, R. R. Bahadur, E. W. Bailey, T. A. Bancroft, W. D. Baten, E. E. Blanche, C. I. Bliss, R. C. Bose, A. H. Bowker, R. A. Bradley, Dorothy Brady, A. E. Brandt, I. D. J. Bross, T. H. Brown, O. P. Bruno, P. T. Bruyere, R. W. Burgess, J. M. Cameron, B. H. Camp, E. W. Cannon, S. D. Canter, Bernard Carol, O. S. Carpenter, Maria Castellani, Jack Chassan, Randolph Church, Edmund Churchill, W. G. Cochran, A. C. Cohen, Jr., R. H. Cole, E. P. Coleman, F. G. Cornell, Jerome Cornfield, C. C. Craig, M. T. Crapsey, J. F. Daly, D. A. Darling, Besse B. Day, F. R. Del Priore, W. E. Deming, Philip Desind, W. J. Dixon, C. W. Dunnett, Solomon Dutka, P. S. Dwyer, Benjamin Epstein, W. D. Evans, W. T. Federer, William Feller, J. W. Fertig, Leon Festinger, C. H. Fischer, J. C. Flanagan, M. M. Flood, L. R. Frankel, N. M. Franklin, H. A. Freeman, Bernard Friedman, Melitta L. Garbuny, E. F. Gardner, M. A. Geisler, H. H. Germond, Leon Gilford, Abraham Golub, William Gomberg, C. H. Graves, S. W. Greenhouse, J. A. Greenwood, Evelyn S. Grossman, H. T. Guard, Carl Hammer, E. C. Hammond, H. H. Harman, T. E. Harris, Boyd Harshbarger, H. L. Harter, W. A. Hendricks, L. H. Herbach, J. L. Hodges, Jr., Wassily Hoeffding, Helen M. Humes, Harold Hotelling, Cuthbert Hurd, H. M. Hughes, W. R. Hydeman, S. M. Ikhtiar-ul-Mulk, S. I. Isaacson, Marcus Jacobs, W. W. Jacobs, J. E. Jackson, Carol M. Jaeger, J. B. Jeming, R. J. Jessen, H. L. Jones, Alice S. Kaitz, W. C. Kalinowski, Leo Katz, R. D. Keeney, B. F. Kimball, Leslie Kish, Lila F. Knudsen, Paul Koditschek, C. F. Kossack, K. H. Kramer, R. R. Kuebler, Jr., S. M. Kwerel, R. B. Ladd, Marguerite Lehr, F. C. Leone, Joseph Lev, Howard Levene, G. J. Lieberman, Julius Lieblein, S. B. Littauer, Simon Lopata, Irving Lorge, E. D. Lowry, L. H. Madow, W. G. Madow, Benjamin Malzberg, Joseph Mandelson, E. S. Marks, Margaret P. Martin, J. W. Mauchly, P. J. McCarthy, Margaret Merrell,