NEWS AND NOTICES

Readers are invited to submit to the Secretary of the Institute new items of interest

Personal Items

Dr. Theodore W. Anderson, Jr. of the Cowles Commission for Economic Research has been awarded a Guggenheim Memorial Foundation Fellowship.

Assistant Professor Theodore A. Bancroft of Iowa State College has been appointed to an associate professorship at the University of Georgia.

Dr. Z. W. Birnbaum is now an associate professor in the mathematics department at the University of Washington.

Mr. Albert H. Bowker and Mr. Edward Paulson, formerly with the Statistical Research Group, of Columbia University, have been awarded pre-doctoral fellowships in mathematical statistics by the National Research Council. They are now studying at Columbia University.

Mr. Oscar K. Buros, of Rutgers University, is Review Editor of the Journal of the American Statistical Association. He is making the review section a very important part of the Journal with such features as replicating reviews and bibliographies of statistical methodology. Members of the Institute who are authors of papers and books (both English and non-English) on statistical methodology are urged to send a reprint, review copy, or bibliographic information to Mr. Buros as soon after publication as possible.

Professor Harold Cramér, Director of the Institute of Mathematical Statistics at the University of Stockholm will be a visiting professor at Princeton University during the fall semester of the 1946–1947 academic year. He will give a course of graduate lectures on the theory of probability.

Dr. J. H. Curtiss has been appointed assistant to the Director of the National Bureau of Standards, where his duties will include the administration of the mathematical and statistical activities of the Bureau. Dr. Curtiss served in the U. S. Naval Reserve during the war, and recently received a Commendation Ribbon from the Secretary of the Navy for his work in statistical engineering for the Bureau of Ships and the Office of the Commander-in-Chief. He will continue to be on leave of absence from Cornell University throughout the academic year 1946–1947. Administrative direction of the Mathematical Tables Project of the National Bureau of Standards has been assigned to Dr. Curtiss. Members of the Institute are cordially invited to visit the Project when in New York City, and to confer with the Project Director, Dr. Arnold Lowan, concerning their computational problems. The address of the Project is 150 Nassau Street, New York City. The Project is currently supported by funds transferred to the Bureau from the Office of Research and Inventions of the Navy Department. An Advisory Panel of mathematicians interested in the computation of tables is being formed to define the long range program of the Project. An announce-

ment as to the personnl of this panel will appear in a later issue of the Annals.

Assistant Professor W. J. Dixon of the University of Oklahoma has been appointed to an associate professorship at the University of Oregon.

Dr. Hallett H. Germond has returned from war service to his teaching duties in the Department of Mathematics at the University of Florida.

Dr. Earl L. Green, has accepted a position as Associate Professor of Zoology at Ohio State University.

Mr. John C. Hintermaier, formerly supervisory chemist with the Forstmann Woolen Company of Passaic has accepted a position as chief chemist of the Vanity Fair Mills at Reading.

Mr. William Hodgkinson, Jr., has returned from war service to his position with the American Telephone and Telegraph Company at New York.

Mr. Robert H. Hoskins, discharged from the Navy in March, is employed in the Actuarial Ordinary General Division of the John Hancock Mutual Life Insurance Company at Boston.

A testimonial dinner was given to Professor Harold Hotelling on May 3, 1946 at the Columbia University Men's Faculty Club as a farewell by the Statistical Techniques Group, New York Chapter, American Statistical Association. Professor Hotelling is leaving Columbia at the end of the academic year to become Professor of Mathematical Statistics at the University of North Carolina. Professor Helen M. Walker, on behalf of the Group, presented gifts to Professor and Mrs. Hotelling. The Chairman, Professor Irving Lorge, introduced the distinguished visitors who came to honor Professor Hotelling. Among the speakers were Professor P. C. Mahalanobis of Presidency College, Calcutta, India, Dr. Stuart Rice, Chairman of the Statistical Commission of the Economic and Social Council of the United Nations, and Dean Pegram of the Graduate Faculties of Columbia University. Professor Hotelling reviewed the changes in statistical theory and techniques that were developed during the 15 years of his professorship at Columbia University.

Mr. Calvin J. Kirchen, who has recently accepted a position with the technical department of Remington Arms Company at Bridgeport, Conn., addressed the Rochester Society of Quality Control Engineers on Sept. 17 on "The Applications of Sequential Analysis to Acceptance Inspection".

Dr. Walter Leighton of the Rice Institute has been appointed to a professorship at Washington University.

Miss Dorothy Marrow has been appointed to an assistant professorship at George Washington University.

Professor D. E. Morton of the National Bureau of Econlmic Research is joining the faculty of Cornell University.

Assistant Professor Cecil J. Nesbitt of the University of Michigan has been promoted to an associate professorship.

Dr. A. C. Olshen has accepted a position as Actuary of the West Coast Life Insurance Company at San Francisco.

Mr. William B. Rice has opened an office as Consulting Business Statistician at 1011 South Los Angeles Street, Los Angeles.

Mr. John Salerno, formerly a draftsman (statistical) with the War Department is now Mathematician with the U. S. Coast and Geodetic Survey.

Assistant Professor Henry Scheffé of the Mathematics department of Syracuse University has been appointed associate professor of engineering at the University of California at Los Angeles. Professor Scheffé has been awarded a Guggenheim Memorial Foundation Fellowship.

Mr. William B. Simpson has returned from overseas and is attending the University of Chicago.

Professor Geoge W. Tyler has returned to his position in the Mathematics Department at Virginia Polytechnic Institute, having spent two years at the University of California Division of War Research.

Professor W. Allen Wallis, who returned to his position at Stanford University in April after serving for nearly four years as Director of Research with the Statistical Research Group of Columbia University, has accepted a position as Professor of Statistics and Economics in the School of Business of the University of Chicago effective September 1, 1946.

Mr. Frank A. Weck who served during the war as a Captain in the Office of the Surgeon General is now in the Actuarial division of the Metropolitan Life Insurance Company.

The University of Pennsylvania held a conference on "Measurement of Consumers Interest" at Philadelphia on May 17–18, 1946. This conference was sponsored by the Departments of Philosophy, Psychology, Statistics, Marketing, and Foreign Commerce. Among the speakers were the following members of the Institute: Professor L. L. Thrustone of the University of Chicago, Professor Louis Guttman of Cornell University, Dr. W. Edwards Deming of the Bureau of the Budget, Professor C. West Churchman of the University of Pennsylvania, Dr. John H. Curtiss of the National Bureau of Standards, Professor Paul Peach of the University of North Carolina, and Professor S. S. Wilks of Princeton University.

The following four doctorates, with mathematical statistics as a major subject, were conferred during 1945 in the United States. The name, University, month in which the degree was conferred, and the title of the dessertation are given in each case:

T. W. Anderson, Jr., Princeton, June, "The Non-Central Wishart distribution and its application to Problems in Multivariate Statistics."

Frances Campbell, Michigan, June, "A Study of Truncated Bivariate Normal Distributions."

W. M. Chen, California, June, "Power Function of the Analysis of Variance and Convariance of a Normal Bivariate Population."

J. J. Livers, Michigan, February, "Use of Partitions in Multivariate Moment Sampling Theory."

Professor A. R. Crathorne of the University of Illinois, a Fellow of the Institute and one of its founders, died on March 7, 1946 at the age of 72.

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Announcement of New Preliminary Actuarial Examinations

On June 7, 1947, three new Preliminary Actuarial Examinations will be given to undergraduate students of mathematics and others who may be interested in going into the actuarial profession. These new examinations are sponsored jointly by the Actuarial Society of America and the American Institute of Actuaries.

The new series of examinations will replace Parts 1, 2, and 3 of the actuarial examinations which have been given heretofore, but will carry the same credit toward Associateship in the two actuarial organizations. These examinations have been prepared under the direction of a joint committee of actuaries and mathematicians. They will be administered by the College Entrance Examination Board at centers throughout the United States and Canada.

Descriptions of the three new examinations are as follows:

1. *Language Aptitude Examination.* This is a three-hour aptitude examination testing reading comprehension and precise knowledge of the meaning of words. It is similar to the well-known Scholastic Aptitude Test of the College Entrance Examination Board, except that it is pitched at approximately the college sophomore level. Verbal facility and command of the English language, as well as mathematical ability, are important in the actuarial profession. This is not the type of an examination for which specific preparation can be made; it is an aptitude rather than an achievement examination.

2. *General Mathematics Examination.* This is a three-hour achievement examination on material usually covered in the first two years of mathematics in colleges and universities in the United States and Canada. More specifically, it is based on college algebra, trigonometry, analytical geometry, and differential and integral calculus. It is designed to be taken by the mathematically talented undergraduate at the end of his sophomore year, although it is not restricted to this group.

3. *Special Mathematics Examination.* This is a three-hour achievement examination based on the material usually covered in undergraduate courses in finite differences, probability, and statistics. It is designed to be given at the end of the junior or senior year to college mathematics majors who have either taken courses or done concentrated reading in these fields, but it is not restricted to this group.

The two actuarial bodies will jointly award one $200 and eight $100 prizes to the nine highest-ranking contestants on the basis of performance on the first two of the examinations described above. In determining these awards the General Mathematics Examination will be weighted twice as much as the Language Aptitude Examination.

Information regarding these new examinations, and applications for taking them, may be obtained from either of the following organizations:

The Actuarial Society of America
393 Seventh Avenue
New York 1, New York

The American Institute of Actuaries
720 North Michigan Avenue
Chicago, Illinois

Announcement of Cowles Fellowships for Women

Two Sarah Frances Hutchinson Cowles Fellowships for women will be awarded by the University of Chicago for the academic year 1947–48 upon nomination by the Cowles Commission for Research in Economics. Applicants must be students of outstanding promise, preparing for the degree of master or doctor in the field of social sciences and statistics, preferably in quantitative economics or mathematical statistics. The Fellowships amount to $1000 each, but may be supplemented by an additional grant of $500 if the work of the Fellowship holder lies within the Cowles Commission's field of interest. Holders will be expected to be in residence at the University of Chicago. Application and supporting documents must be filed before March 1, 1947. Application blanks and further particulars may be secured from the Cowles Commission for Research in Economics, The University of Chicago, Chicago 37, Illinois, U. S. A.

New Members

The following persons have been elected to membership in the Institute:

Alger, Philip L., M.S. (Union) Staff Ass't. to Mgr. of Eng., Gen. Elec. Co. Schenectady, N. Y., *1758 Wendell Ave., Schenectady 8, N. Y.*

Baer, Prof. Reinhold Ph.D. (Gottingen) Dept. of Math. U. of Ill., Urbana, Ill.

Behrends, Stanley George, Li.B. (La Salle) Ass't. Purchasing Agent, *439-65th St., Oakland, 9, Calif.*

Benford, Frank, B.E.E. (Michigan) Physicist, *1643 Rugby Rd., Schenectady 8, N. Y.*

Burke, H. D., Chief of Inspection and Qual. Control, The Coleman Co. Inc., Wichita 1, Kansas.

Church, Assoc. Prof. Randolph, Ph.D. (Yale) Postgrad. School, U. S. Naval Academy, Annapolis, Md., *316 N. Glen Ave., Annapolis, Maryland.*

Deihl, Douglas George, M.A. (Drake) Statistician, Tuberculosis Control Div., U. S. Public Health Service, *3896 Porter St., N. W. Wash. 16, D. C.*

Dimsdale, Bernard, Ph.D. (Minnesota) Instr. Purdue U., *464 Washington Ave., Glencoe, Ill.*

Eaves, James C., M.A. (Kentucky) Instr. Math. Dept. of U. of N. C., Chapel Hill, N. C.

Elveback, Lillian R., B.A. (Minnesota) Instr. Biostatistics Dept., School of Public Health, Columbia Univ., *600 W. 168th St., N. Y. 32, N. Y.*

Harris, Theodore E., B.A. (Texas) Student, *Graduate College, Princeton, N. J.*

Hirsch, Warren M., B.B.A. (New York) Teacher-NYC High School System, *2791 Univ. Ave., Bronx, N. Y.*

Hughes, Harry M., M.A. (Texas) Cost Accountant, Maritime Commission, *1454 Bancroft Way, Berkeley 2, Calif.*

Jaramillo, Trinidad J., Ph.D. (Chicago) Research Mathematician, *1947 So. Kedzie Ave., Chicago 23, Ill.*

Jones, Warren E., B.A. (Maryville) Owner and Pres. of Management Controls, *699 Rose Ave., Des Plaines, Ill.*

Kalinowski, Walbert, Graduate Student in Math. and Statistics, *3689 W. Pine Blvd., St. Louis 8, Mo.*

Keeney, Roger D., A.B. (Bucknell) Actuarial Clerk, Metropolitan Life Ins. Co., N. Y., N. Y., *110 Fournier Crescent, East Paterson, N. J.*

Keislar, Evan R., Ph.D. (California) Instr., Princeton U., also Research Assoc. College Entrance Exam. Board, *Nassau Club, Princeton, N. J.*

Keppler, Wharton Fields, B.A. (Ohio State) Math. Statistician, M & R Dietetic Lab., Inc., 8 E. Long St., Columbus 16, Ohio.

Kubis, Assoc. Prof. Joseph F., Ph.D. (Fordham) Dept. of Psychology, Fordham U. Grad. School, N. Y., N. Y.

Leepin, Peter, Ph.D. (Basle) Actuary-Basler Life Ins. Co., *Gellerstr. 52, Basle, Switzerland.*

Lefever, Prof. David Welty, Ph.D. (S. California) Dept. of Education, U. of S. Calif., University Park, Los Angeles, Calif.

Likert, Rensis, Ph.D. (Columbia) Head of the Div. of Program Surveys, B.A.E. Dept. of Agriculture, Washington, D. C.

Marks, Eli S., Ph.D. (Columbia) Principal Business Economist, OPA Wash., D. C., *3711 Horner Place S. E., Washington 20, D. C.*

Martin, Prof. William Ted, Ph.D. (Illinois) Dept. of Math., Syracuse U., Syracuse 10, N. Y.

McGann, Paul Williamson, A.B. (Brown) Acting Section Head, Bldg., Material Equip. Constr. Price Div., OPA, *2700 Wisconsin Ave., N. W., Washington 7, D. C.*

Michael, William Burton, M.S. (S. California) Lecturer in Math. Psychology, Education, *388 So. Oak Ave., Pasadena 8, Calif.*

Muench, Prof. Hugo, Dr. P.H. (J.H.U.) Dept. of Biostatistics, Harvard School of Pub. Health, 55 Shattuck St., Boston 15, Mass.

Murphy, Barbara M., Librarian, of Raytheon Mfg. Co., Power Tube Div., Foundry Ave., Waltham 54, Mass.

Murray, Janet H., A.M. (Stanford) Asst. Head-Family Economics Div., Bureau Human Nutrition and Home Economics, U. S. Dept. of Ag., 1025 Connecticut Ave., Washington 6, D. C.

Nemmers, Frederic E., M.S. (Iowa) Instr., U. of Wisconsin, *2936 N. Hackett Ave., Milwaukee 11, Wisconsin.*

Neurdenburg, M. G., D.P.H. (Amsterdam) Head of the Bureau of Business-Control and Statistics of the Municipal Health Dept. of Amsterdam and Honorary secretary of the General Netherlands Society for Public Health and Social Medicine, *Frans Van Mierisstraat 134, Amsterdam Zuid 1, Holland.*

Noel, Roland H., M.S. (Massachusetts Col. of Pharmacy) Special Asst. to Production Mgr. Penicillin Div., Bristol Labs. Inc., Thompson Rd., Syracuse, N. Y.

Nordquist, John M., M.S. (Oklahoma) Research Asst. Seismological Lab. 220 N. San Rafael Ave., Pasadena 2, Calif. *1695 Corson St., Pasadena 4, Calif.*

O'Connor, Howard J., M.A. (Toronto) Technical Asst., Development Div. Union Carbide and Carbon Research Labs. Inc., 137-47th St., Niagara Falls, N. Y., *1016 Cleveland Ave., Niagara Falls, N. Y.*

Odle, John W., Ph.D. (Michigan) Head, Math. Sec., Research and Development, Naval Ordnance Test Station, Inyokern, Calif.

Pascua, Asst. Prof. Marcelino, M.D. (Madrid) Dept. of Biostatistics, Johns Hopkins Univ., 615 N. Wolfe St., Baltimore, 5, Md.

Perlstein, Mae, B.A. (Hunter) Teaching Asst. U. of Calif., *2401 Durant Ave., Berkeley 4, Calif.*

Perrott, Major Ivan Brian, M.A. (Oxford) R. Signals B.A.O.R., *17 Widney Manor Rd., Solihull, Warwickshire, England.*

Price, Prof. Griffith Baley, Ph.D. (Harvard) Dept. of Math., 205 Frank Strong Hall, U. of Kansas, Lawrence, Kansas.

Reid, David Buchanan William, B.A. (McGill U.-Montreal), Graduate Student-statistics, V.P.I., *P. O. Box 461, Blacksburg, Virginia.*

Reynolds, John Hughes III, M.A. (U. of the South) Technical Control Statistician, Celanese Corp. of America, Tubize Div., Rome, Georgia.

Reynolds, William A., M.A. (California) Research Associate, National Broadcasting Co., 30 Rockefeller Plaza, New York 20, N. Y.

Salerno, John, B.A. (Brooklyn) Draftsman (Statistical), *530 Lincoln Ave., Brooklyn 8, N. Y.*

Shaw, Byron T., Ph.D. (Ohio State) Principal Agronomist, Plant Industry Station, Beltsville, Maryland.

Shephard, Asst. Prof. Ronald W., Ph.D. (California) Dept. of Math., Purdue U., Lafayette, Ind.

Simms, Clifford Raymond, M.S. (Michigan) Consulting Actuary, *1028 Connecticut Ave., N. W., Washington, D. C.*

Sprengel, Herbert J., M.S. (Illinois) Quality Control Engineer, *808 N. Lombard Ave., Oak Park, Ill.*

Stein, Charles M., B.S. (Chicago) Student, Columbia U., *109-69 Colfax St., St. Albans, 11, N. Y.*

Stibitz, George R., Ph.D. (Cornell) Consultant in Applied Mathematics, *393 S. Prospect St., Burlington, Vermont.*

Stone, John Richard Nicholas, M.A. (Cambridge) Director of the Dept. of Applied Economics, U. of Cambridge, England, King's College, Cambridge, England.

Studley, Duane Morton, Associate in Arts (Colorado) Clerk HQ 15th AF, *1311 Cheyenne Blvd., Colorado Springs, Colorado.*

Tweedy, Marjorie A. L., B.S. (Ohio State) Economist, Office of Price Adm., *1417 N. St. N. W., Washington, D. C.*

Updike, Arthur Thomas, Manager, Quality Control Dept. U. S. Naval Ordnance Plant, Indianapolis 6, Indiana.

Vandivere, Edgar F., Jr., M.A. (Duke) Radio Engineer, Technical Information Div., Fed. Comm. Comm., Washington, D. C.

Wadman, Alton J., B.S. (Mass. Inst. of Technology) Chief, Burst Pattern Analysis Section, VI Fuge Div., NOL, *8720 Colesville, Rd., Silver Spring, Md.*

Watkins, Assoc. Prof. John H., Ph.D. (Yale) Dept. of Public Health, Yale School of Medicine, New Haven, Conn.

Wurtele, Zivia S., M.A. (California) Assistant in Math. Statistics, Columbia U., *102 Lexington Ave., N. Y. C. 16, N. Y.*

Zwinggi, Prof. Ernst, Ph.D. (Berne) University of Basle, Subdirector Basler Life Ins. Co., *Kapellenstr. 28, Basle, Switzerland.*