

NEWS AND NOTICES

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

Personal Items

Gerald D. Berndt has taken a position as Mathematician at Headquarters, Strategic Air Command. He is Deputy Chief of Programming and Consultant in mathematics and statistics to the Commander in Chief in the Directorate of Operations.

Dr. John R. Bowman has left his post as Director of Research for Mellon Institute in Pittsburgh to take up the duties of the new Associate Dean of the Technological Institute at Northwestern University in Evanston, Illinois.

Robert J. Buehler, formerly instructor in mathematics and project associate at the Naval Research Laboratory, University of Wisconsin, has been appointed Assistant Professor in the Department of Statistics and the Statistical Laboratory at Iowa State College, Ames, Iowa.

Mavis Carroll has moved with General Foods Research Center to their new laboratories in Tarrytown, New York. She was recently named Section Head in the Product Evaluation Division, which includes responsibility for subjective testing and statistical services.

Eugene Crystal is now employed by Smith Kline & French Laboratories in Philadelphia, Pennsylvania. Mr. Crystal received an M.S. degree from Rutgers University in 1957.

Dr. Herbert A. David has resigned from the University of Melbourne to accept an appointment as Professor of Statistics at the Virginia Polytechnic Institute.

Dr. Olive Jean Dunn has resigned her position as Assistant Professor of Statistics at Iowa State College, Ames, Iowa, and has accepted a position as Assistant Professor of Biostatistics, University of California at Los Angeles.

Carl H. Fischer, Professor of Actuarial Mathematics, University of Michigan, has been by Secretary of Health, Education, and Welfare Marion B. Folsom to a 12-member advisory council which is to review the long-range financial position of the Social Security System.

Dr. John E. Freund, formerly of the Department of Statistics of Virginia Polytechnic Institute, is now connected with Arizona State University. His new residence is 7532 E. Holly, Scottsdale, Arizona.

Professor Bernard Friedman, formerly of the Institute for Mathematics and Mechanics at New York University, has accepted a position as Professor of Mathematics at the University of California at Berkeley.

Paul Gunther has taken a leave of absence from the Statistical Methods Section of the General Electric Company and is now at the University of Chicago working on his Ph.D. degree.

Dr. Robert G. Hoffman has resigned from his position as Statistician for the Commission on Professional and Hospital Activities and has accepted an appointment as Statistician for the J. Hillis Miller Health Center and Assistant Research Professor of Statistics, Statistical Laboratory, University of Florida.

Donald F. Mills has completed requirements for the Ph.D. degree at the University of Washington and is now an Assistant Professor of Education at Arizona State College, Tempe.

Sidney I. Neuwirth is with Johnson & Johnson, New Brunswick, New Jersey, as Manager of Operations Research. He joined them in December, 1956, to organize and administer a company-wide O.R. program.

John W. Pratt is now Assistant Professor in the new Department of Statistics at Harvard University.

Lt. (j.g.) F. Beckley Smith, Jr., expects to be released from active duty with the U. S. Navy in February, 1958. His new address will be 264 Atlanta Drive, Pittsburgh 28, Pennsylvania.

Earl A. Thomas has accepted a position as Technical Advisory to the Manager, Ballistic Missiles Division, Burroughs Research Center, Paoli, Pennsylvania.

John Tukey is in residence at the Center for Advanced Study in the Behavioral Sciences at Stanford, California, as a Fellow. He will return to Princeton University and Bell Telephone Laboratories in September, 1958.

Pearl A. Van Natta, formerly with the Denver Research Institute, has accepted the position of biostatistician with the Child Research Council in Denver.

Robert F. White has been chosen to receive the George W. Snedecor Award in Statistics for 1958 at Iowa State College by vote of the graduate faculty in statistics. The award is given annually to the person judged to be most outstanding among students at the College working toward a Ph.D. or joint Ph.D. in statistics who are expected to graduate within a specified period of time. The award consists of a year's membership in The Institute of Mathematical Statistics together with a subscription to that professional society's journal. White is currently employed as a full-time associate on statistical problems in the Agricultural Experiment Station.

William H. Williams, formerly on a Canadian Research Council fellowship, has been appointed Assistant Professor in the Department of Statistics and the Statistical Laboratory at Iowa State College, Ames, Iowa.

Leroy F. Wolins, formerly associate director of research, Science Research Associates, Chicago, has been appointed Assistant Professor in the Department of Statistics and Psychology and the Statistical Laboratory at Iowa State College, Ames, Iowa.

G. Stanley Woodson has accepted an appointment as Biostatistician for the Commission on Professional and Hospital Activities in Ann Arbor, Michigan. The new post is supported, in part, by a grant from the W. K. Kellogg Foundation.

Summer Institute on Nonparametric Statistics

With the financial support of the National Science Foundation, the Institute of Mathematical Statistics is planning a Summer Statistical Institute (SSI) at the University of Minnesota (School of Business Administration) from June 16 to July 26. The SSI is being organized by a committee appointed by the IMS consisting of J. L. Hodges, Jr., W. Hoeffding, W. Kruskal, and I. R. Savage. The committee is planning to invite several research workers, with major and continued interests in nonparametric methods, to participate. The Plan of the SSI is to have also members who are just beginning their research work or who have not in the past concentrated in the field of nonparametric inference, for example individuals who are completing their graduate work involving research in nonparametric statistics as well as other research workers whose interests are now moving towards nonparametric statistics.

The funds allotted by the National Science Foundation permit support to some advanced graduate students who are interested in pursuing their own problems in the area of NP methods. The funds may also permit the paying of travel expenses for individuals who are supported in other ways. Also the institute will welcome a few other workers who do not need any financial support.

Summer Offerings in Statistics at Iowa State College

The Department of Statistics at Iowa State College will offer six applied courses in statistical theory and methods in its two 1958 summer sessions. These courses are planned primarily for graduate students or research workers with limited mathematical backgrounds who wish to use statistical techniques intelligently for application to other fields. In addition, a course on special topics in theoretical or applied statistics may be studied at the graduate level. Senior staff members will be available during most of the summer for consultations on research or special problems.

Students may register for either or both of the six-week summer sessions: June 17–July 23 and July 23–August 29. The complete list of statistics offerings for the first session is as follows: Stat. 401, "Statistical Methods for Research Workers" (at the level of Snedecor's *Statistical Methods*); Stat. 447, "Statistical Theory for Research Workers" (mainly theory of experimental statistics at the level of Anderson and Bancroft's *Statistical Theory in Research*; Stat. 599, "Special Topics"; and Stat. 699, "Research". In the second session will be offered Stat. 402, a continuation of 401; Stat. 448, a continuation of 447; two courses in applied methods which are more specialized, Stat. 411, "Experimental Designs for Research Workers", and Stat. 421, "Survey Designs for Research Workers"; and finally Stat. 599 and 699. Additional information may be obtained from T. A. Bancroft, department head and Director, Statistical Laboratory, Iowa State College.

Rumanian Membership

The application of Rumania for membership in the International Mathematical Union (Group II) has been approved by unanimity of the voting nations. The membership of Rumania became effective on March 1, 1958.

NAS-NRC Chairmanship

Detlev W. Bronk, president of the National Academy of Sciences, has announced the appointment of Samuel S. Wilks, professor of mathematical statistics at Princeton University, as the new Chairman of the Mathematics Division of the National Academy of Sciences-National Research Council. Dr. Wilks succeeds Paul A. Smith, professor of mathematics at Columbia University, who served as Division chairman since 1955. As Chairman, Dr. Wilks will supervise the continuing activities of the Division advisory to the Federal government in matters pertaining to mathematics. The Academy-Research Council, a private organization of distinguished scientists dedicated to the furtherance of science and its use for the general welfare, is authorized by the Federal government to act, upon request, as an official adviser in all matters of scientific and technical interest. In addition, the Mathematics Division serves as a clearing house for information of concern to mathematicians throughout the United States. It constantly strives to promote mathematical research and to improve the teaching of mathematics at all levels. As part of the Academy-Research Council, whose eight divisions embrace all the natural sciences, the Mathematics Division has a unique opportunity to develop productive interchange between mathematicians and other scientists.

New Members

The following persons have been elected to membership in The Institute

November 1, 1957, to February 3, 1958

- Abernathie, Donald H.**, M.S. (Univ. of Illinois), Research Engineer, Convair Astronautics, San Diego, California; *5335 Via Bello, San Diego 11, Calif.*
- Adkins, George B.**, M.A. (Univ. of Missouri), Chief, Mathematical Statistics Branch, Division of Nuclear Materials Management, Atomic Energy Commission, 1901 Constitution Ave., Washington 25, D. C.; *1111 Arlington Blvd., Arlington, Virginia.*
- Behnken, Donald W.**, M.B.A. (Columbia Univ.), Graduate Assistant, Institute of Statistics, North Carolina State College, Raleigh, North Carolina; *1631 Van Dyke Ave., Raleigh, N. C.*
- Bell, Alan Edward**, M.S. (Stanford Univ.), Research Assistant, Applied Mathematics and Statistics Laboratory, Stanford University, Stanford, California; *1024 Ramona, Palo Alto, Calif.*
- Bennett, William S.**, M.A. (Duke Univ.), Operations Analyst, Operations Research Office, 7100 Connecticut Ave., Chevy Chase, Md.

- Berman, Simeon M.**, B.A. (City College of New York), Lecturer, Dept. of Mathematics, The City College of New York; *1086 President St., Brooklyn 25, N. Y.*
- Bhapkar, Vasant Prabhakar**, M.S. (Bombay Univ.), Lecturer in Statistics, Univ. of Poona, Poona 7, India; *Dept. of Statistics, Univ. of North Carolina, Chapel Hill, North Carolina.*
- Bird, Marion T.**, Ph.D. (Univ. of Illinois), Professor of Mathematics, San Jose State College, San Jose 14, Calif.; *45 Pala Ave., San Jose 27, Calif.*
- Christensen, Inge F.**, M.A. (Catholic Univ.), Student, Catholic University of America, Michigan Ave., N.E., Washington 17, D. C.; *2725 29th Street, N.W., Washington 8, D. C.*
- Coyne, Lolafaye**, M.A. (Univ. of Kansas), Statistician, Research Dept., The Menninger Foundation, 2617 W. 6th, Topeka, Kansas.
- Dembiczak, Cecilia M.**, M.S. (Univ. of Connecticut), Research Analyst, United Aircraft Corporation, East Hartford, Connecticut; *35 Potter Road, North Haven, Conn.*
- Denton, James Q.**, B.S. (California Institute of Technology), Research Assistant, Department of Mathematics, University of Oregon, Eugene, Oregon.
- Deshpande, J. V.**, M.Sc. (Univ. of Poona), Lecturer in Statistics, Govt. College of Science, Nagpur (Bombay State), India.
- Dongwoo, Lee**, Student, College of Liberal Arts and Sciences, Seoul National University, Seoul, Korea; #101-2 Hioza-dong, Chongno-gu, Seoul, Korea.
- Doyle, Francis J., Jr.**, B.S. (Manhattan College), Graduate Assistant, Case Institute of Technology, Cleveland 6, Ohio; *2099 Abington Road, Cleveland 6, Ohio.*
- Fisz, Marek**, Doctor (Univ. of Wroclaw), Extraordinary Professor, University of Warsaw, Mathematical Institute of the Polish Academy of Sciences; *ul. J. Dabrowskiego 81/51, Warsaw, Poland*
- Foster, Frederic Gordon**, D.Ph. (Oxford), Reader in Statistical Computing, London School of Economics and Political Science, Houghton Street, Aldwych, London W. C. 2, England.
- Kada, Jimmy Masakazu**, B.S. (Univ. of California, Los Angeles), Student, School of Public Health, University of California at Los Angeles, 405 Hilgard Ave., Los Angeles 24, Calif.; *243 N. Burlington Ave., Los Angeles 26, Calif.*
- Kikuchi, Susumu**, B.E. (Keio-Gijuku Univ.), Assistant, The Institute of Polytechnics, Osaka City University; Minamiogimachi, Kitaku, Osaka, Japan.
- Kimme, Ernest G.**, Ph.D. (Univ. of Minnesota), 1E237, Bell Telephone Laboratories, Murray Hill, New Jersey.
- Kishen, K.**, Ph.D. (Univ. of Lucknow), Chief Statistician to Government, U. P., Department of Agriculture, Chhota Chhattar Manzil, Lucknow, India.
- Krishnaiah, Paruchuri R.**, M.A. (Univ. of Minnesota), Research Assistant, Bureau of Educational Research, University of Minnesota, Minneapolis 14, Minnesota.
- Laha, Radha Govinda**, D.Ph. (Calcutta Univ.), Research Associate, Dept. of Mathematics, Catholic University of America, Washington 17, D. C.
- Levenbach, George J.**, M.E.E. (Univ. of Technology, Delfd), Statistician, Bell Telephone Laboratories, Inc., Murray Hill, New Jersey.
- Lewis, Charles T.**, B.S. (Univ. of Wyoming), Analyst, Geotechnical Corporation, 114 Grand Avenue, Laramie, Wyoming; 29 Wainwright, Laramie, Wyoming.
- Li, C. C.**, Ph.D. (Cornell Univ.), Assistant Professor, Dept. of Biostatistics, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pa.
- Murthy, Vrudhula Krishna**, B.S. (Bombay Univ.), Research Assistant, Dept. of Statistics, University of North Carolina, Chapel Hill, North Carolina.
- Oldmixon, E. Robert**, Engineer, Quality Control Dept. (H-34), Surface Armament Division, Sperry Gyroscope Co., Great Neck, L. I., New York.
- Popper, Juliet**, Ph.D. (Stanford Univ.), Research Fellow in Psychology, Department of Psychology, Indiana University, Bloomington, Indiana.
- Prabhu, Narahari Umanath**, M.Sc. (Univ. of Manchester), Graduate Assistant, Dept. of Mathematics, Univ. of Western Australia, Nedlands, Western Australia; *Dept. of Statistics, Karnatak University, Dharwar, (Mysore State), India.*

- Rao, Vishvember P.**, M.A. (Univ. of Bombay), Lecturer in Statistics, College of Science, Nagpur, India.
- Roche, John E.**, Ph.D. (Univ. of Texas), Associate Professor, Dept. of Business Administration, Francis Hall, Texas A & M College, College Station, Texas.
- Rove, Gene**, B.S. (Drexel Inst. of Tech.), Engineer, Gruen Industries, Time Hill, Cincinnati, Ohio; *3671 Meadville Drive, Sherman Oaks, California.*
- Scarf, Herbert E.**, Ph.D. (Princeton Univ.), Assistant Professor, Dept. of Statistics, Stanford University, Stanford, California.
- Schmetterer, Leopold Karl**, Dr. rer. nat. (University Wien), Professor and Director, Institut für Versicherungs-mathematik und Mathematische Statistik, der Universität Hamburg, Harvestehuderweg 10, Hamburg 13, Germany.
- Schumann, D. E. W.**, Ph.D. (Virginia Polytechnic Institute), Professor, Dept. of Statistics, University of Stellenbosch, Stellenbosch, South Africa.
- Searle, Shayle Robert**, M.A. (Univ. of New Zealand), Research Statistician, New Zealand Dairy Board, P. O. Box 866, Wellington, New Zealand, and Student, Cornell University, Ithaca, New York; *Wing Hall, Cornell Univ., Ithaca, N. Y.*
- Stoker, D. J.**, Doctor (Univ. of Amsterdam), Senior Lecturer, *Dept. of Statistics, University of Pretoria, Pretoria, Union of South Africa.*
- Strotz, Robert H.**, Ph.D. (Univ. of Chicago), Associate Professor, Dept. of Economics, Northwestern University, Evanston, Illinois.
- Watterson, Geoffrey A.**, B.A. (Melbourne Univ.), Student, Australian National University, Box 4, G.P.O., Canberra, A.C.T., Australia.
- Witting, Hermann**, Dr. rer. nat. (Mathematisches Institut, Universität Freiburg), Dozent Institut für Angewandte Mathematik, Universität Freiburg, Freiburg i Br., Germany; *Dreikönigstrasse 9, Freiburg i Br., Germany.*

SMU Computing Laboratory

Southern Methodist University announces the opening of a Computing Laboratory on its campus. A new building houses the Univac Scientific 1103 Computer, the Remington Rand Service Bureau and the S.M.U. Computing Laboratory offices and classrooms. The computer is operated jointly by Remington Rand as a service to industry and by S.M.U. as an academic service for research and teaching.

The S.M.U. operation is associated with the University's new Graduate Research Center. Professors and students have free use of the machine for academic research and training in computer work. Training programs are available for faculty and students. Computing projects are now underway in the fields of engineering, mathematics, psychology, law, religion, management and others. S.M.U. will make the computer arrangement involving only a nominal fee for overhead, and invites inquiries leading to such use of the machine. S.M.U. regards its laboratory as a regional university computing facility.

Doctoral Dissertations in Statistics, 1957

Listed below are doctorates conferred during the year 1957 in the United States and Canada for which the dissertations were written on topics in statistics

or related fields. The university, major subject, and the title of the dissertation are given in each case. Readers are invited to notify the Editor of any omissions from this list.

Israel Jacob Abrams, University of California, Berkeley, major in statistics, "Contributions to the Stochastic Theory of Inventory."

Satya Prakash Agarwal, University of California, Berkeley, major in statistics, "On the Asymptotic Equivalence of Two Classes of Tests of a Multiparameter Hypothesis."

Willard O. Ash, Virginia Polytechnic Institute, major in statistics, "Randomized Estimates in Power Spectral Analysis."

Glenn E. Bartsch, Harvard, major in biostatistics, "Confidence Intervals for the Means of Non-Normal Populations."

Bradley Dean Bucher, Princeton, major in statistics, "The Recovery of Inter-Variety Information in Incomplete Block Design."

R. L. Carter, University of North Carolina, "New designs for the exploration of response surfaces."

D. L. Clark, Oregon State College, minor in physics, "The distribution of linear functionals of stochastic processes."

Leonard Cohen, Columbia, major in mathematical statistics, "On Mixed Single Sample Experiments."

T. G. Donnelly, University of North Carolina, "A family of sequential tests."

James D. Esary, University of California, Berkeley, major in statistics, "A Stochastic Theory of Accident Survival and Fatality."

Alfred E. Garrett, Virginia Polytechnic Institute, major in statistics, "Estimation Problems Connected with Stochastic Processes."

Edmund Alpheus Gehan, North Carolina State College, major in experimental statistics, "Some Statistical Methods Applicable to Studies of Infrequent Diseases with Application to a Study of Rheumatic Heart Disease in North Carolina."

Nathaniel Roy Goodman, Princeton, major in statistics, "The Joint Estimation of the Spectra, Co-Spectrum and Quadrature Spectrum of a Two-Dimensional Stationary Gaussian Process."

Ramanathan Gnanadesikan, University of North Carolina, "Contributions to multivariate analysis including univariate and multivariate variance components analysis and factor analysis."

Geoffrey Gregory, Stanford, major in statistics, "An Economic Approach to the Choice of Continuous Sampling Plans."

Mary I. Hanania, University of California, Berkeley, major in statistics, "Some Statistical Tests of Hypotheses in Learning Theory."

Leon H. Herbach, Columbia, major in mathematical statistics, "Optimum Properties of Analysis of Variance Tests Based on Model II and Some Generalizations of Model II."

Mohammad Iqbal, University of North Carolina, "On the classification statistic of Wald."

Philip G. Johnson, University of Minnesota, major in mathematics; minor statistics, "Shares of Functions with Values in a Banach Algebra."

Gordon H. Josie, Johns Hopkins University, major in biostatistics, "Sampling Variation as a Factor in Morbidity Survey Design."

J. W. Lamperti, California Institute of Technology, minor in philosophy, "On the asymptotic behavior of recurrent and 'almost recurrent' events."

Robert James Lundegard, Purdue, major in mathematical statistics, "Identification and Estimation into Stochastic Models."

Leo Lynch, Virginia Polytechnic Institute, major in statistics, "On the Analysis of Paired Ranked Observations."

William Mendenhall, North Carolina State College, major in experimental statistics,

"Estimation of Parameters of Mixed Exponentially Distributed Failure Time Distributions from Censored Life Test Data."

Paul Dixon Minton, North Carolina State College, major in experimental statistics, "Some Distributions Related to Column Totals in Sociometric Matrices."

Robert Dean Morrison, North Carolina State College, major in experimental statistics, "Some Studies on the Estimates of the Exponents in Models Containing One and Two Exponentials."

Vasant Lakshman Mote, North Carolina State College, major in experimental statistics, "An Investigation of the Effect of Misclassification on the χ^2 Tests in the Analysis of Categorical Data."

Mangalore V. Pai, Purdue, major in statistics, "Comparisons of the Methods of Classification."

Robert N. Pendergrass, Virginia Polytechnic Institute, major in statistics, "The Rank Analysis of Triple Comparisons."

Robert Richard Read, University of California, Berkeley, major in statistics, "Contributions to the Statistical Theory of Cloud Chamber Data."

Robert H. Riffenburgh, Virginia Polytechnic Institute, major in statistics, "Linear Discriminant Analysis."

Judah I. Rosenblatt, Columbia, major in mathematical statistics, "Goodness-of-Fit Tests for Approximate Hypotheses."

Mandakini Janardan Sane, University of California, Berkeley, major in statistics, "I. Locally Unbiased Tests of Composite Hypotheses with s Constraints."

James H. Stapleton, Purdue, major in statistics, "On the Theory of Asymptotic Distributions (mod 1) and Its Extension to Abstract Spaces."

James G. C. Templeton, Princeton, major in statistics, "A Test for Detecting Single-cell Disturbances in Contingency Tables."

J. B. Tysver, University of Michigan, "Inherent errors in matrices with statistical applications."

Dirk van der Reyden, North Carolina State College, major in experimental statistics, "The Use of Orthogonal Polynomial Contrasts in the Confounding of Factorial Experiments."

J. W. Walker, University of North Carolina, "Optimal decomposition of a sample space for estimations based on grouped data."

David Zeitlen, University of Minnesota, major in mathematics; minor statistics, "Behavior of Conformal Maps under Analytic Deformation of the Domain."

Alexis Zinger, University of Montreal, major in mathematical statistics, "On the Choice of the Best Amongst Three Normal Populations with Known Variances."

REPORT OF THE GATLINBURG, TENNESSEE MEETING OF THE INSTITUTE

The 1958 Eastern Regional Meeting, seventy-seventh meeting of the Institute of Mathematical Statistics, was held in Gatlinburg, Tennessee on April 10-12, 1958, in conjunction with the Biometric Society (Eastern North American Region).

The following 118 members of the Institute registered for the meeting:

G. E. Albert, Mrs. G. E. Albert, G. N. Alexander, Williard O. Ash, G. J. Atta, Earl Atwood, R. E. Bargman, V. P. Bhapkar, Allan Birnbaum, Barbara Bishop, C. I. Bliss, V. J. Bofinger, R. C. Bose, G. E. P. Box, R. A. Bradley, A. E. Brandt, Ellis Brenna, W.