

NEWS AND NOTICES

Readers are invited to submit to the Treasurer of the Institute news items of interest

Personal Items

Dr. Robert C. Burton has received the Ph.D. degree in mathematical statistics from the University of North Carolina. He has joined the mathematics department at Brigham Young University as an Assistant Professor.

Professor Walter Vogel, formerly of the Mathematisches Institut der Universität Tübingen, is now Professor für Angewandte Mathematik und Leiter der Abteilung für Wahrscheinlichkeitstheorie und Mathematische Statistik at the Universität Bonn.

New Members

- Aucoin, Clayton V.**, Ph.D., (Auburn University); Head, Department of Mathematics, Clemson University.
- Baker, Charles R.**, M.S., (University of California, Los Angeles); Graduate Student, Department of Engineering, University of California, Los Angeles; *11001 Debra Avenue, Granada Hills, California.*
- Bhasin, Y. Pal**, M.A., (Punjab University); Research/Teaching Assistant, Department of Statistics, University of California, Berkeley.
- Bochey, Thaddeus S.**, M.S., (Villanova University); Director of Operations Statistics Service, Wyeth Laboratories, Inc.; *611 East Nield St., West Chester, Pennsylvania.*
- Carr, Raymond N.**, A.B., (Southwestern College); Graduate Teaching Assistant, Department of Statistics, Kansas State University.
- Castellan, N. John, Jr.**, A.B., (Stanford University); Computer Research Consultant/Graduate Student, Institute of Behavioral Science, University of Colorado.
- Chawla, Kanta G.**, M.A., (Bombay University); Graduate Student, Division of Mathematical Sciences, Purdue University; *134 Pierce St., W. Lafayette, Indiana.*
- Chew, Milton C., Jr.**, M.S., (Carnegie Institute of Technology); Graduate Student, Mathematics Department, Carnegie Institute of Technology.
- Chi, Ho-Fuh**, B.A., (Fuh-Tan University, Shanghai); Associate Professor of Statistics, Chun Hsin University, Taipei, Taiwan.
- Cohen, Herbert J.**, M.B.A., (New York University); Comptroller at L. Bieler & Sons, New York and Instructor of Statistics at the School of Commerce, New York University.
- Dickey, James M.**, M.S., (University of Michigan); Graduate Student, Department of Mathematics, University of Michigan; *6995 East Michigan Avenue, Saline, Michigan.*
- Enneking, Eugene A.**, M.A., (Washington State University); Teaching Assistant/Graduate Student, Department of Mathematics, Washington State University.
- Fisher, Lloyd D., Jr.**, S.B., (Massachusetts Institute of Technology); Graduate Student, Department of Mathematics, Dartmouth College.
- Franti, Charles E.**, M.S., (Michigan State University); Graduate Student, Department of Biostatistics, University of California, Berkeley.
- Fried, Paul S.**, B.S., (Tufts University); Operations Research Analyst, Methods Research Department-Management Science Group, Bankers Trust Co., New York; *302 East 89th Street, New York, New York 10028.*
- Glasser, Gerald J.**, Ph.D., (New York University); Professor of Business Statistics, New York University; *159 Landsdowne Avenue, Westfield, New Jersey.*

- Goldberg, Ruth**, B.Sc., (Hebrew University, Jerusalem); Biostatistician, Department of Social Medicine, Hebrew University-Hadassah Medical School; *5 Schiller St. Beit Hakerem, Jerusalem.*
- Gupta, Ramesh Chandra**, M.A., (Delhi University); Teaching Assistant, Department of Mathematics, University of Illinois.
- Hamburg, Morris**, Ph.D., (University of Pennsylvania); Professor of Statistics and Operations Research, Wharton School, University of Pennsylvania.
- Hamby, Charles W.**, B.S., (Pennsylvania State University); Engineer, Vitro Laboratories, 14000 Georgia Avenue, Silver Spring, Maryland.
- Hewett, John E.**, M.S., (State University of Iowa); Graduate Student, State University of Iowa.
- Huddleston, Harold F.**, M.A., (Michigan State University); Statistician, Statistical Reporting Service, U. S. Department of Agriculture; *609 Tyler St., Falls Church, Virginia.*
- Hunter, Jeffery J.**, M.S., (University of Auckland, New Zealand); Research Assistant/Graduate Student, Department of Statistics, University of North Carolina.
- Hunsaker, Worthen N.**, M.A., (Washington State University); N.A.S.A. Traineeship, Department of Mathematics, Washington State University.
- Kardatzke, Merle L.**, B.S., (Anderson College); Biostatistician, IIT Research Institute, Illinois Institute of Technology.
- Knoke, James D.**, B.A., (University of Iowa); Graduate Student/Statistician, Stanford Research Institute, Stanford University; *861 Cambridge Avenue, Menlo Park, California.*
- Kriens, Jacobus**, Doctorandus, (Leiden University, Netherlands); Professor, Katholieke Economische Hogeschool te Tilburg; *2^e Boerhaavestraat 49, Amsterdam O., Netherlands.*
- Latta, Cynthia Morse**, B.A., (Knox College); Research Analyst, Federal Reserve Bank of Chicago; *P. O. Box 834, Chicago, Illinois 60690.*
- Lin, Sai-Sing**, B.S., (Taiwan Normal University); Graduate Research Assistant/Student, Department of Statistics, Kansas State University.
- McGilchrist, Clyde A.**, M.Sc., (University of New South Wales); Lecturer, University of New South Wales.
- Malki, Abed-Alla Usama**, B.A., (Damascus University); Instructor, in mathematics and statistics, Babson Institute for Business Administration, Massachusetts.
- Myles, Ronald L.**, B.B.A., (Oklahoma University); Graduate Student, University of Oklahoma; *322 Page, Apt. B-13, Norman, Oklahoma.*
- Neilligan, John Derschug**, M.Sc., (Syracuse University); Graduate Assistant, Department of Mathematics, Syracuse University.
- Oruc, Maide**, Dr.Sc., (A. U. Fen Fakultesi, Ankara); Dr. Assistant, A. U. Fen Fakultesi, Ankara; *Schaffhauserstrasse 2 bei E. Rudin, 8006 Zurich, Switzerland.*
- Patel, Kantilal Mangaldas**, M.S., (University of Chicago); Graduate Student, Florida State University; *752 Eldorado, Tallahassee, Florida.*
- Pomper, Isidor Heywood**, M.A., (New York University); Research Staff Member, IBM Research Center, P. O. Box 218, Yorktown Heights, New York.
- Posner, Edward C.**, Ph.D., (University of Chicago); Research Group Supervisor, Jet Propulsion Laboratory, California Institute of Technology, Pasadena.
- Potratz, Clarence J.**, M.S., (University of Idaho); Graduate Student, Department of Mathematics, Washington State University.
- Price, Bert P.**, M.Sc., (Ohio State University); Graduate Student, Department of Mathematics, Ohio State University.
- Radcliffe, John**, Diploma in Statistics; Research assistant, Department of Statistics, University College London.
- Rao, Kambhampati Chandrasekhara**, M.Sc., (University of Bombay); Graduate Teaching Assistant/Student, Department of Statistics, College of Commerce and Industry, University of Wyoming, Laramie.
- Rao, Kadiyala Koteswara**, M.Stat., (Indian Statistical Institute, Calcutta); Research Assistant, Department of Economics, University of Minnesota.

- Raybold, Robert C.**, A.B., (George Washington University); Mathematical Statistician, National Bureau of Standards, Washington 25, D.C.; *7807 Flag Run Drive. Springfield, Virginia.*
- Reitsma, Andries**, Ph.D., (University of South Africa, Pretoria); Professor, Department of Statistics, University of the Orange Free State, Bloemfontein.
- Scott, James**, M.S., (Virginia Polytechnic Institute); At Vitro Laboratories, 14000 Georgia Avenue, Silver Spring, Maryland; *1705 Black Oak Lane, Silver Spring, Maryland.*
- Sen, Pranab Kumar**, Ph.D., (Calcutta University); Visiting Assistant Professor, Department of Statistics, University of California, Berkeley; *Department of Statistics, University of Calcutta.*
- Singletary, Edward A.**, B.S., (Howard University); Management Assistant, Chesapeake and Potomac Telephone Co., Washington D.C.; *4220 9th Street, S. E. Apt. 24-B, Washington, D.C. 20023.*
- Smiriga, Nora Snoeck**, M.A., (University of California, Berkeley); Graduate Student, University of California, Berkeley; *11 Kingston Rd., Berkeley, California.*
- Veinott, Arthur F., Jr.**, Eng. Sc.D., (Columbia University); Associate Professor, Stanford University; *1909 Manhattan Avenue, Apt. 7, Palo Alto, California.*
- Wette, Reimut**, D.Sc., (University of Heidelberg); Chief, Section of Mathematical Biology, Department of Biomathematics, University of Texas M.D. Anderson Hospital and Tumor Institute, Houston.
- Woodroffe, Michael B.**, M.A., (University of Oregon); Graduate Student, Department of Mathematics, University of Oregon.

DOCTORAL DISSERTATIONS IN STATISTICS, 1964

Listed below are doctorates conferred during 1964 (except where otherwise indicated) in statistics and 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 the list.

- Al-Hussaini, Ata**, University of Illinois, major in mathematics, "Some almost everywhere convergence theorems for positive definite operators."
- Anello, Charles**, The Johns Hopkins University, major in biostatistics, "Some applications of stochastic processes."
- Anderson, George Albert**, Yale University, major in mathematics, "An asymptotic expansion for the distribution of the latent roots of the estimated covariance matrix."
- Banerjee, S. K.**, University of Toronto, major in statistics, "Contributions to order statistics."
- Baranchik, Alvin John**, Stanford University, major in statistics, "Multiple regression and estimation of the mean of a multivariate normal distribution."
- Barr, David Ross**, State University of Iowa, major in mathematics, "On the power function of the likelihood ratio test for cases in which the range depends upon a parameter."
- Behboodian, Javad**, University of Michigan, major in statistics, "Information for estimating the parameters in mixtures of exponential and normal populations."
- Berk, Robert Harold**, Harvard University, major in statistics, "Asymptotic properties of sequential probability ratio tests."
- Bingham, Christopher**, Yale University, major in mathematics, "Distributions on the sphere and on the projective plane."
- Boothroyd, M. R.**, University of London, major in statistics, "Some results on linear prediction."
- Borchers, Dietmar R.**, Carnegie Institute of Technology, major in mathematics, "Second order stochastic differential equations and related Ito processes."

- Bowman, Kimiko Osada**, Virginia Polytechnic Institute, major in statistics, "Moments to higher orders for maximum likelihood estimators with an application to the negative binomial distribution."
- Brown, Lawrence**, Cornell University, major in mathematics, "On the admissibility of invariant estimators of location parameters."
- Burton, Robert Corey**, University of North Carolina, major in statistics, "An application of convex sets to the construction of error correcting codes and factorial designs."
- Capobianco, Michael F.**, Polytechnic Institute of Brooklyn, major in mathematical statistics, "On the bivariate binomial distribution and related problems."
- Carlborg, Frank W.**, University of Chicago, major in statistics, "A procedure for selecting independent variables in multiple regression."
- Chakravarti, Asish Kumar**, Indian Statistical Institute, major in economic statistics, "The structure of the Indian economy 1954-55 (supplemented by Inter-industry Transactions Table of 1955-56)."
- Conn, Joan**, New York University, major in mathematics, "Some buckling and boundary layer problems of circular plates."
- Constantine, Alan Graham**, Yale University, major in mathematics, "Hypergeometric functions of matrix argument."
- Dayhoff, Eldred Eugene**, Iowa State University, major in statistics, "Generalized polykeys and application to obtaining variances and covariances of components of variation."
- Donio, Jean Isaac**, Stanford University, major in statistics, "Some stochastic learning models with time as a continuous parameter."
- Douglas, Alan Wright**, Cornell University, major in biometry, "Test of monogeneity of variance for latin sequences and a class of balanced incomplete block designs."
- Efron, Bradley**, Stanford University, major in statistics, "Problems in probability of a geometric nature."
- Eisenman, Richard L.**, University of Michigan, major in mathematics, "On solutions of alliance games."
- Epling, Mary Lena**, Stanford University, major in statistics, "A multivariate stochastic approximation procedure."
- Eppen, Gary**, Cornell University, major in ind. eng., "A dynamic analysis of a class of deteriorating systems."
- Faulkner, J. Earl**, University of Minnesota, major in biostatistics, "A stochastic model for immunological experimentation on spontaneous mammary tumors in inbred mice."
- Foster, Louis A.**, Purdue University, major in statistics, "Testing for equality of variances."
- Franck, Wallace E., Jr.**, University of New Mexico, major in mathematics, "On the optimal search problem."
- Gilchrist, W. G.**, University of London, major in statistics, "A study of some time series models and their applications."
- Gleser, Leon Jay**, Stanford University, major in statistics, "The comparison of multivariate tests of hypothesis by means of Bahadur efficiency."
- Greenberg, Vida L.**, University of California at Berkeley, major in statistics, "Robust inference in some experimental designs."
- Gupta, M. K.**, University of California at Berkeley, major in statistics, "An asymptotically nonparametric test of symmetry."
- Haggstrom, Gus W.**, University of Illinois, major in mathematics, "Optimal stopping and experimental design."
- Hinich, Melvin Jay**, Stanford University, major in statistics, "Large-sample estimation of an unknown discrete waveform which is randomly repeating in Gaussian noise."
- Hitchcock, (Mrs.) S. E.**, University of London, major in statistics, "Tests associated with the exponential family."
- Hora, Rajinder Bir**, University of Minnesota, major in statistics, "Fiducial probability theory for distribution normal populations with a group structure."

- Hsi, Bartholomew P.**, University of Minnesota, major in biostatistics, "Some statistical aspects of quality control in the clinical laboratories."
- Hunter, W. G.**, University of Wisconsin, (1963), major in statistics, "Generation and analysis of data in non-linear situations."
- Kabe, D. G.**, Wayne State University, major in statistics, "Some contributions to multivariate statistical analysis."
- Keenen, Kathleen M.**, University of Minnesota, major in biostatistics, "Some aspects of a statistical approach to environmental microbiological sampling."
- Khazanie, Ramakant G.**, Purdue University, major in statistics, "On a mendelian Markov process with multinomial transition probabilities."
- Klauber, Melville R.**, Stanford University, major in statistics, "Some estimates of location."
- Kronmal, Richard**, University of California, major in biostatistics, "The estimation of probability D densities."
- Krutchkoff, Richard**, Columbia University, major in mathematical statistics, "A two sample nonparametric empirical Bayes approach to some problems in decision theory."
- Kuehl, Robert Otto**, North Carolina State of the University of North Carolina, major in experimental statistics, "Estimators for genetic parameters of populations derived from parents of a diallel mating."
- Lawrence, Willard**, University of Wisconsin, major in statistics, "Experimental designs which minimize model inadequacies."
- Levine, Arnold**, University of California, major in mathematics, "Optimal weighting and choice of observation points in prediction problems."
- Levy, Paul S.**, The Johns Hopkins University, major in biostatistics, "The combination of unbiased estimators."
- Lewis, P. A. W.**, University of London, major in statistics, "The theory and application of branching renewal processes."
- LeySieffer, Frederick W.**, University of Michigan, major in probability, "Functions of finite Markov chains."
- Lilliefors, Hubert W.**, George Washington University, major in statistics, "An information theoretic application of linear discriminant functionals to stochastic processes."
- Loftsgaarden, D. O.**, Montana State College, major in statistics, "Nonparametric classification and nonparametric density function estimation."
- MacEachern, Donald G.**, University of Minnesota, major in statistics, "Confidence intervals from the Bayesian viewpoint."
- Magistad, John**, North Carolina State of the University of North Carolina, major in experimental statistics, "Some steady-state and transient solutions for sampled queues."
- Mandrekar, Vidyadhar S.**, Michigan State University, major in statistics, "Multiplicity and representation theory of purely non-deterministic processes and its application."
- Mathai, A. M.**, University of Toronto, major in statistics, "Missing values in statistical analysis."
- Meeter, Duane A.**, University of Wisconsin, major in statistics, "Problems in the analysis of non-linear models by least squares."
- Mehr, Cyrus B.**, Purdue University, majors in mathematics and electrical engineering, "Certain properties of Gaussian processes and their first-passage times."
- Meinert, Curtis Lynea**, University of Minnesota, major in biostatistics, "Quantitation of the isotope displacement of immunoassay of insulin."
- Miller, Louis**, Cornell University, major in ind. eng., "Alternating priorities in multiclass queues."
- Myers, Raymond Harold**, Virginia Polytechnic Institute, major in statistics, "Orthogonal statistics and some sampling properties of moment estimators for the negative binomial distribution."
- Murphy, Edmond A.**, The Johns Hopkins University, major in biostatistics, "An exploration

- of some effects of incomplete penetrance and the ascertainment of recessive characteristics."
- Orense, Marcelo**, North Carolina State of the University of North Carolina, major in experimental statistics, "Estimation of the exponentials in a double exponential regression model."
- Overton, Walter**, North Carolina State of the University of North Carolina, major in experimental statistics, "On estimating the mean ordinate of a continuous function over a specified interval."
- Park, Heebob**, University of Chicago, major in statistics, "Improving the robustness of inferences."
- Plante, A.**, University of Toronto, major in statistics, "Random orderings."
- Pollak, Edward**, Columbia University, major in mathematical statistics, "Stochastic theory of gene frequencies in subdivided populations."
- Press, Sheldon James**, Stanford University, major in statistics, "Some hypothesis testing problems involving multivariate normal distributions with unequal and intraclass structural covariance matrices."
- Raghavachari, M.**, University of California at Berkeley, major in statistics, "The two-sample scale problem when locations are unknown."
- Raktoe, Bisnoedath Leo**, Cornell University, major in biometry, "Application of cyclic collineations to the construction of balanced L -restrictional prime powered lattice design."
- Ramachandramurty, P. V.**, University of California at Berkeley, major in statistics, "On some nonparametric estimates and tests in the Behrens-Fisher situation."
- Ramsey, Fred Lawrence**, Iowa State University, major in statistics, "Effect of trend elimination on tests for time series."
- Rhyne, Alfred**, North Carolina State of the University of North Carolina, major in experimental statistics, "Some multiple comparison sign tests."
- Robertson, James B.**, University of Indiana, major in probability and statistics, "Multivariate continuous parameter weakly stationary stochastic processes."
- Rodine, Robert H.**, Purdue University, major in statistics, "On mixtures of perfect probability measures."
- Rohde, Charles**, North Carolina State of the University of North Carolina, major in experimental statistics, "Contributions to the theory, computation and application of generalized inverses."
- Rosenberg, Milton**, University of Indiana, major in probability and statistics, "The spectral analysis of multivariate weakly-stationary stochastic processes."
- Roussas, George G.**, University of California at Berkeley, major in statistics, "Some extensions of Dubins' Savage's work on red and black."
- Samuels, Stephen M.**, Stanford University, major in statistics, "On a Chebyshev-type inequality for sums of independent random variables."
- Schaerf, Mirella, C.**, Stanford University, major in statistics, "Estimation of the covariance and auto-regressive structure of a stationary time series."
- Schatzoff, Martin**, Harvard University, major in statistics, "Exact distributions of Wilks' likelihood ratio statistic and comparisons with competitive tests."
- Scott, Meckinley**, University of North Carolina, major in statistics, "A study of some single-counter queueing processes."
- Sedransk, Joseph Henry**, Harvard University, major in statistics, "Sample size determination in analytical surveys."
- Selliah, Jegadevan B.**, Stanford University, major in statistics, "Estimation and testing problems in a Wishart distribution."
- Sethi, Vinod Karan**, Indian Statistical Institute, major in mathematical statistics, "Contributions to stratified sampling and related problems."
- Shimi, Ismail Mabih**, University of North Carolina, major in statistics, "Inventory problems concerning compound products."

- Silver, Edward A.**, Massachusetts Institute of Technology, major in statistics, "Markovian decision processes with uncertain transition probabilities or rewards."
- Srivastava, Muni S.**, Stanford University, major in statistics, "Optimum procedures for classification and related problems."
- Srivastava, Om P.**, Pennsylvania State University, (1963), major in mathematics, "Asymptotic behavior of certain functions of order statistics."
- Subrahmaniam, K.**, The Johns Hopkins University, major in biostatistics, "On some uses of linear-mixed models, spectral methods and theory in the statistical analysis of growth curves."
- Swarup, Chaitanya**, University of New Mexico, major in mathematics, "Some information-theoretical and empirical techniques in statistical inference."
- Tan, Wai-Yuan**, University of Wisconsin, major in statistics, "Bayesian analysis of random effect models."
- Tarter, Michael**, University of California, major in biostatistics, "Absolute value estimation."
- Thiebaut, Helen Jean**, Stanford University, major in statistics, "A randomness problem in macro-molecular sequences."
- Thornby, John I.**, University of Minnesota, major in statistics, "A study of two ranking criteria for selecting a subset containing the best of k bivariate."
- Van Ryzin, John R.**, Michigan State University, major in statistics, "Asymptotic solutions to compound decision problems."
- Van Zyl, Gideon**, University of North Carolina, major in statistics, "Inventory control for perishable commodities."
- Varady, John**, University of California, major in biostatistics, "Integral estimates in polynomial regression."
- Wallenius, Kenneth Ted**, Stanford University, major in statistics, "Biased sampling: a noncentral hypergeometric probability distribution."
- Weiner, Howard Jacob**, Stanford University, major in statistics, "On age dependent branching processes."
- Weiner, John**, University of California, major in biostatistics, "Elimination of variates in linear discrimination problems."
- Wetz, John M.**, University of Wisconsin, major in statistics, "Criteria for judging adequacy of estimation by an approximating response function."
- White, Kathleen**, North Carolina State of the University of North Carolina, major in experimental statistics, "An investigation of small sample properties of Zahl's estimates of a general Markov process model for follow-up studies."
- Whitman, Walter**, Cornell University, major in mathematics, "Some strong laws for random walks and brownian motion."
- Williams, Britain J., III**, University of Georgia, major in statistics, "The effect of truncation on tests of hypotheses for normal populations."
- Wolock, Fred W.**, Virginia Polytechnic Institute, major in statistics, "Cyclic designs."
- Wyshak, Grace**, Yale University, major in Biometry, "A population study of the inheritance of human twinning."
- Yackel, James W.**, University of Minnesota, major in mathematics, "Semi-Markov processes."
- Zador, Paul Laszlo**, Stanford University, major in statistic, "Development and evaluation of procedures for quantizing multivariate distributions."

INTERNATIONAL SYMPOSIUM ON MULTIVARIATE ANALYSIS

An international symposium on multivariate analysis will be held at the University of Dayton, Dayton, Ohio, during the period June 14-19, 1965. This symposium is sponsored by the Aerospace Research Laboratories.

Harold Hotelling will deliver the inaugural address. Invited papers will be presented in the areas of classification, distribution theory, experimental designs, estimation, nonparametric methods, ranking and selection procedures, time series and miscellaneous topics. It is planned to edit and publish the proceedings of the symposium. Attendance at the symposium is open to anyone interested.

The list of speakers include T. W. Anderson, V. P. Bhapkar, R. Bradley and J. E. Jackson, E. A. Cornish (tentative), A. P. Dempster, M. H. DeGroot and M. M. Rao, R. Gnanadesikan and M. B. Wilk, S. S. Gupta, E. J. Hannan, A. T. James, O. Kempthorne, M. G. Kendall, J. Kiefer (tentative), P. R. Krishnaiah and M. H. Rizvi, P. C. Mahalanobis, K. Matusita, V. K. Murthy, I. Olkin and L. Gleser, K. C. S. Pillai, C. R. Rao, M. Rosenblatt, R. Shepard, M. Sobel, H. Solomon and J. J. Fortier, J. N. Srivastava, and H. Wold. A partial list of the chairmen of the sessions include R. C. Bose (tentative), Z. W. Birnbaum, H. Chernoff, H. L. Harter, J. S. Hunter, A. Madansky, K. S. Miller, E. Parzen, P. R. Rider and W. A. Wallis.

Further information may be obtained from P. R. Krishnaiah (Organizer), Aerospace Research Laboratories, Wright-Patterson Air Force Base, Ohio.

SUMMER OFFERINGS IN STATISTICS AT IOWA STATE UNIVERSITY

The Department of Statistics at Iowa State University will offer courses in statistical theory and methods in its two summer sessions in 1965. 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 sessions: June 8–July 17, and July 19–August 27.

Courses will be offered both sessions in statistical methods and statistical theory. Methods of Experimental Design will be offered first session and Methods of Survey Designs and Non Parametric Inferences will be offered second session. Recent Developments in Statistics and Probability, Survey Design Topics and Experimental Design Topics will be offered both sessions.

PUBLICATIONS RECEIVED

BARLOW, RICHARD E. and PROSCHAN, FRANK, with contributions by HUNTER, LARRY C. (1964). *Mathematical Theory of Reliability*. John Wiley and Sons, New York. xiii + 256 pp. \$11.00.

GODUNOV, S. K. and RYABENKI, V. S. (translated by GODFREDSEN, E.) (1964) *The Theory of Difference Schemes—An Introduction*. North-Holland Publishing Co., Amsterdam. Distributed in the U.S.A. by John Wiley and Sons, New York. xii + 289 pp. \$9.75.