IN MEMORIAM

E. GLENADINE GIBB

On June 29, 1984, Dr. E. Glenadine Gibb died from complications of cancer at Seton Hospital in Austin, Texas. Dr. Gibb, a Professor of Mathematics Education with appointments in the Department of Curriculum and Instruction and in the Department of Mathematics, held the Catherine Mae Parker Centennial Professorship in Education. She joined the faculty at The University of Texas at Austin in 1965, with an invitation to build an interdisciplinary graduate program in Mathematics Education. She not only accomplished that task, but she also exhibited a kind of professionalism that will remain a standard for many generations to come.

Glen, as her friends knew her, began her teaching career as a high school mathematics teacher in Mendon, Illinois, in 1941 following her undergraduate years at Western Illinois State University. She obtained an M.A. at George Peabody College in 1944. After another year of secondary school teaching in Geneseo, Illinois, she was appointed Assistant Professor of Mathematics at what is now the University of Northern Iowa. In 1953 she received her Ph.D. from the University of Wisconsin. She advanced to the rank of Professor of Mathematics at The University of Northern Iowa before joining the U.T. faculty in 1965. At various times she was a visiting lecturer at the Universities of Wisconsin, Michigan, and Vermont and at Marshall University, and she was Visiting Professor of Mathematics Education at the University of Georgia in 1979.

From the earliest days of her university teaching, Dr. Gibb was an ardent supporter of the work of the National Council of Teachers of Mathematics (NCTM), often speaking at five or six regional meetings as well as the national meeting each year. She was, in 1960, appointed the

initial editor of the ARITHMETIC TEACHER, a position she held for six years and which established this journal as the premier journal for elementary mathematics teachers in the U.S. She was elected Vice-President of NCTM in 1958, and in 1974 she was elected President. In 1977 she was elected President of the Alliance of American Associations for the Advancement of Education.

The period of 1955 to 1970 was one of major national efforts by the National Science Foundation and the U.S. Office of Education. They funded many projects for the improvement of mathematics education. At almost every conference, Glen's influence was evident. She chaired the Planning Committee for the School Mathematics Study Group (SMSG) curriculum and she co-authored the K-3 textbooks. She worked in nationally funded projects for the Southwest Educational Development Laboratory, the University of Maryland Mathematics Project, and the Research and Development Center for Teacher Education at U.T. She directed six federally-funded projects for improving elementary mathematics education and two Prospective Teacher Fellowship programs. She was an invited speaker at major international conferences in Canada, France, Japan, England, Venezuela, and Germany and was scheduled to speak in Australia at the time of her death. From 1976-1979, she was a member of an advisory committee to the Science Education Directorate of the National Science Foundation.

Glen's writing was profuse. She authored or co-authored more than 100 publications, with contributions to ARITHMETIC TEACHER, MATHEMATICS TEACHER, JOURNAL OF EDUCATIONAL RESEARCH, JOURNAL OF EXPERIMENTAL EDUCATION, SCHOOL SCIENCE AND MATHEMATICS JOURNAL, GRADE TEACHER, REVIEW OF EDUCATIONAL RESEARCH, TODAY'S EDUCATION, MENTAL MEASUREMENTS YEARBOOK, ENCYCLOPEDIA OF EDUCATIONAL RESEARCH, five Yearbooks of NCTM and the Scott Foresman elementary school mathematics textbook series for grades

K-8. She co-authored one of the early and groundbreaking research studies in mathematics education, GENERAL MENTAL FUNCTIONS ASSOCIATED WITH DIVISION. This study gave new insight into the complex structure of achievement in mathematics, empirically separating computational skill from understanding.

Glen served as Graduate Advisor in Mathematics Education, supervised 21 doctoral dissertations, 33 masters theses or reports, hundreds of future elementary teachers' student teaching and for almost twenty years coordinated instruction in mathematics content for all future elementary teachers at U.T. To many of her students she was teacher, professional advisor and personal counselor. Her office and her home were always open when a student needed her attention. Her Christmas parties for students and colleagues and her convention parties for ex-students achieved an international reputation.

Quite apart from her remarkable professional accomplishments, Glen found her greatest pride in teaching. She took teaching seriously, whether she was diagnosing a child's learning problem, guiding a student teacher, explaining number theory to an undergraduate mathematics student, or patiently editing a graduate student's dissertation. She sincerely believed that a good teacher should be able to motivate students to learn, whatever the level of the student's knowledge, and she personally demonstrated the validity of that belief.

Honors came Glen's way from her undergraduate years and continued throughout her professional career. As an undergraduate, she held a Lindsay scholarship at Western Illinois State University. She was a University Fellow at the University of Wisconsin. She was a member of Kappa Delta Pi, Sigma Zeta, Delta Kappa Gamma, Pi Lambda Theta and Phi Kappa Phi. She was listed in: Who's Who in American Education, American

Men and Women of Science, Leaders in American Science, Leaders in the Southwest, Who's Who of Women, Two Thousand Women of Achievement and Community Leaders of America.

Western Illinois State University honored Glen twice. She was chosen as an Honored Alumna in 1971 and in 1973 she was given their Alumni Achievement Award. Just two months before she died, she was given a special award for Contributions to Mathematics Education in Texas at a regional meeting of NCTM in Houston.

She was a member of the American Educational Research Association, the Mathematical Association of America, the American Statistical Association, the Association for Supervision and Curriculum Development, the American Association for the Advancement of Science, the School Science and Mathematics Association, the National Council of Teachers of Mathematics, the Texas Council of Teachers of Mathematics and the Austin Area Council of Teachers of Mathematics.

Glen's commitment to the improvement of mathematics education was made profoundly clear when her will provided a $50,000 endowment to the National Council of Teachers of Mathematics and $50,000 to endow the E. Glenadine Gibb Fellowship in Mathematics Education at The University of Texas at Austin. The Board of Regents matched her endowment creating the E. Glenadine Gibb Fellowship in Education.

William H. Cunningham, President
The University of Texas at Austin

H. Paul Kelley, Secretary
The General Faculty

This Memorial Resolution was prepared by a special committee consisting of Professors L. Ray Carry (Chairman), Ralph W. Cain and Leonard Gillman.