

The First Decade of the Texas Society For Electron Microscopy

**10th Anniversary Meeting
Hyatt Regency,
Houston, Texas
May 1975**



**FOUNDED IN
1965**

TEXAS SOCIETY FOR ELECTRON MICROSCOPY —

**" FOR THE PURPOSE OF DISSEMINATION OF RESEARCH
WITH THE ELECTRON MICROSCOPE "**

A Brief History of the First Ten Years of the Texas Society for Electron Microscopy (1965 – 1975)



1. An evening river Bar-B-Q at Mayan Dude Ranch, Bandera, October, 1973.



2. Four Mayan Caballeros: Joe Wood, Carl Tessmer, Bob Turner, Terry Hoage.

On December 7, 1964, Lea Rudee, then in the Materials Science Department at Rice University in Houston, Texas, wrote a letter to George C. Cocks, Executive Secretary of the Electron Microscopy Society of America (EMSA), asking information about establishing a chapter of EMSA in Houston. Thus began the machinery for establishing what has become one of the strongest affiliates in the United States.

An organization meeting was called for the evening of May 4, 1965 at Rice University. Present at this meeting were twenty-six electron microscopists, PhD's, M.D.'s, technicians and students who then became the charter members. (See Appendix.) The by-laws were drawn up and approved for the Texas Society for Electron Microscopy (TSEM).

The first president was Charles W. Philpot from the Biology Department at Rice University. (See Appendix for 10 year list of officers.) The by-laws called for three meetings per year. one of which was to be a general symposium.

At the time, in the State of Texas, there were several major EM installations - the Pathology and Anatomy Department at the University of Texas Medical Branch in Galveston, the Biology and Virology Department at M.D. Anderson Hospital, Biology and Material Sciences at Rice University and the Botany Department at the University of Texas at Austin. Therefore, the membership expanded greatly during the first year. The first presentation meeting was held at Dallas on October 15, 1965. The principal speakers were Ralph W.C. Wyckoff, University of Arizona, who spoke on "The Study of Microstructure", and Charles T. Ashworth, University of Texas Southwestern Medical School, speaking on "Electron Microscopy of Lipids in Mammalian Physiology".

The next meeting, held on the Rice University campus in Hammond Hall in February 1965, was a contributed-paper session. In the spring of 1966 TSEM met in Galveston with A. C. van Dorsten key-noting the meeting. Henceforth, something of a tradition was established in that fall meetings were reserved for paper presentations, winter meetings were organized as symposia and spring

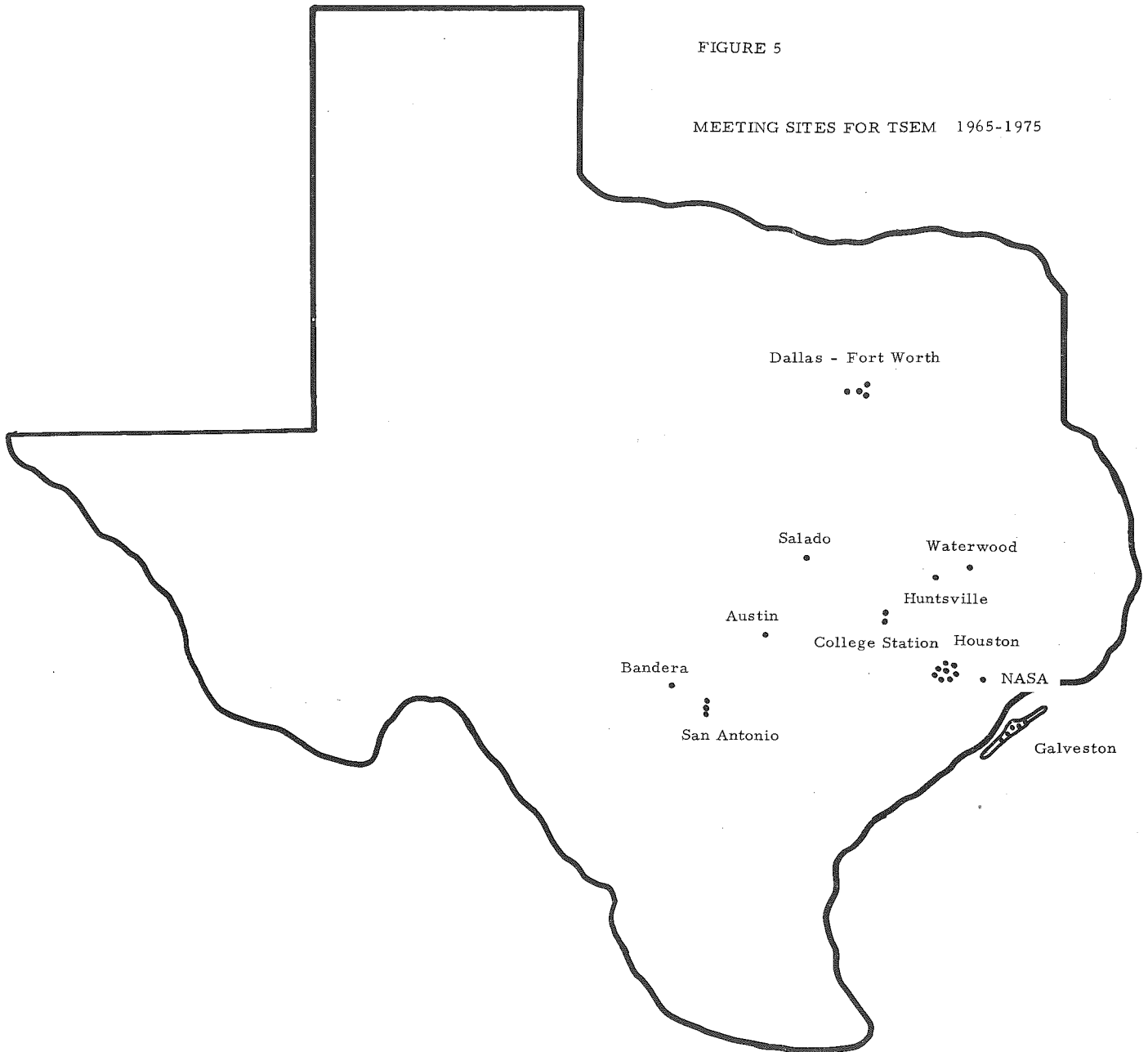
PLEASE REMEMBER
 1. KEEP OUT OF CORRAL
 2. NO FEEDING HORSES
 3. NO FEEDING BIRDS
 4. DO NOT HAVE ALCOHOL
 5. NO SMOKING
 6. NO SWIMMING
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3. TSEM Rancheros waiting at the corral. The horses wouldn't come out.

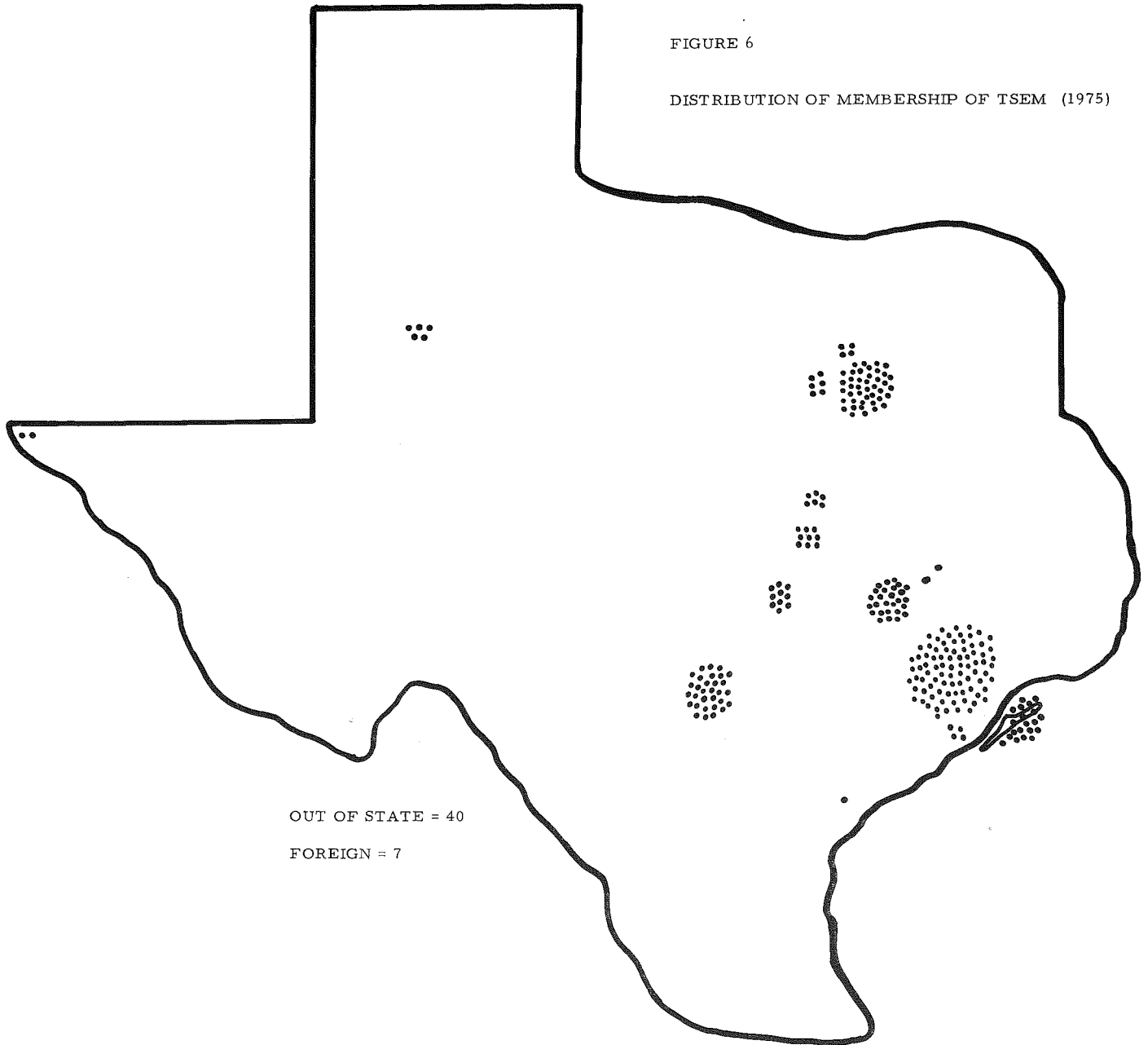
In February 1972, the Texas and Louisiana Societies held a joint meeting in Fort Worth. The following year the joint meeting took place in New Orleans in the French Quarter. These meetings

FIGURE 5

MEETING SITES FOR TSEM 1965-1975



DISTRIBUTION OF MEMBERSHIP OF TSEM (1975)





4. Morning Trail Ride Breakfast. That's Katy Jo Miller (left) on a horse called Idonwanna.



7. Jerry Berlin at Waterwood with winnings at casino party.

have been successful to the point that they seem assured of continuation. The third annual joint meeting took place at the Menger Hotel in San Antonio in February 1974, following by the 1975 meeting at the Delta Towers in New Orleans.

Our membership has grown from 26 charter members to approximately 300 at present. In addition, our corporate members have steadily increased each year to a present total of 26. Of our total membership, approximately 32% are associated with medical or dental schools, 27% with universities and colleges, 15th with hospitals and clinics, 10% with industry and the remainder of unknown affiliation. The TSEM also holds 40 out of state memberships and 7 foreign memberships. Figure 6 shows the distribution-plot of the TSEM membership. Our selection of meeting sites has generally corresponded to the distribution of our membership (compare Figures 5 and 6). The two exceptions were the Bandera meeting in October 1973 and Waterwood, east of Huntsville in October 1974. At Waterwood, a new community literally being carved out of the Piney Woods, the program included a lively panel discussion on grants and grantsmanship. The social part of the meeting consisted of a mock casino outing using play money followed by a hilarious auction (Figures 7, 8 and 9).

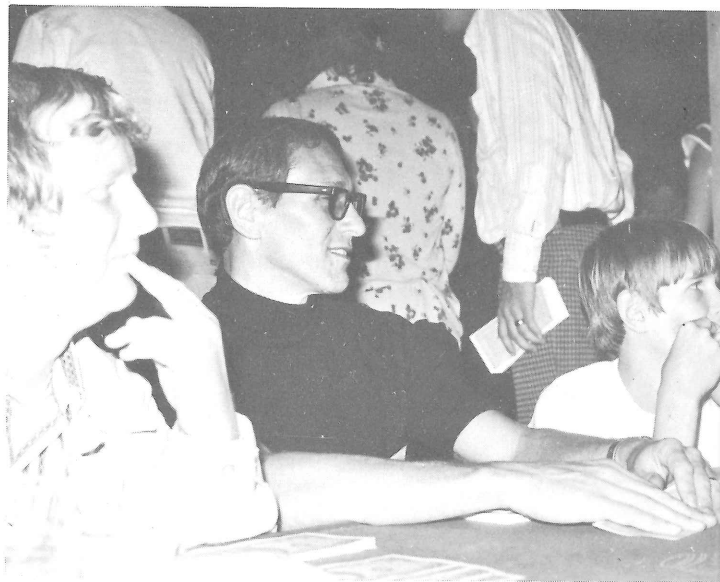
The Texas Society for Electron Microscopy has planned programs in keeping with current developments and applications of electron microscopy in science. For example, electron microscopy of membranes was quite popular in the late '60's. Thus, it was in October of 1967 that Fritiof Sjostrand addressed the TSEM with his classic work on membranes. We followed up on this subject in October 1971 with Daniel Pease speaking to us, again on membranes, in Houston. It was also in Galveston in 1969 that we first saw uses of scanning electron microscopy in viral research and paleontology. During our meeting at NASA in February 1970, we enjoyed a demonstration of the microprobe system while on tour of the Manned Spacecraft Center. And, at the spring 1974 workshop at Texas A&M University, the energy dispersion system at the EM center was demonstrated. As early as May 1968, high voltage electron microscopy was presented by A. V. Crewe.

In 1967, a TSEM newsletter was inaugurated with the appointment of Carl Tessmer as editor. Originally, this began as a mimeographed sheet of information and notes. It evolved into an established intrasociety organ and chronicle. The newsletter now contains major technical articles, editorials, reference listings, area news, technique notes and sustained corporate advertising. The TSEM also maintains a placement service which is published in the newsletter.

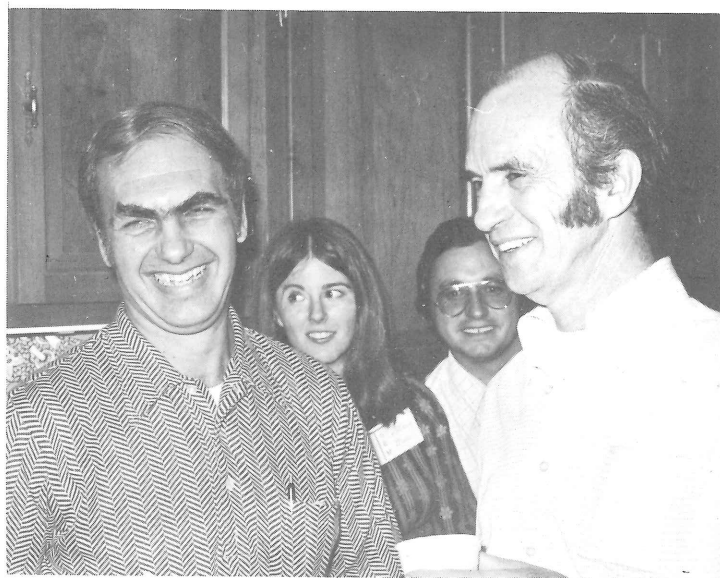
The evolution of the TSEM has mirrored the art and application of electron microscopy. That the TSEM serves a vital communicative function

in the State of Texas can best be demonstrated by the more than 150 installations of transmission electron microscopes, 20 scanning electron microscopes and 3 centers capable of energy dispersion analysis and more than 6 microprobe systems. The State is also preparing for its first installation of a high voltage transmission electron microscope.

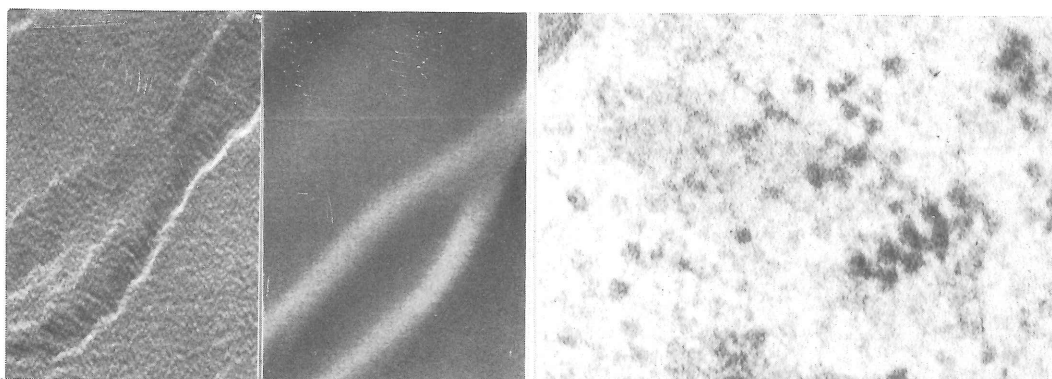
The future of the Texas Society for Electron Microscopy looks bright. We sustain a sizeable graduate student membership and it will be through them that the Society will continue its growth and record of service. The practice of electron microscopy continues with a vibrant flux, and we shall witness, in the years to come, the visualization of living specimens by electron microscopy, elemental analysis and structure of atoms and subatomic particles, a wider forensic use of electron microscopy and what may be a near explosive application of electron optical systems in industrial materials and medical diagnosis and monitoring. The Texas Society for Electron Microscopy will be ready to meet the challenge of communication in this area as well as sustain the more traditional needs of electron microscopists.



8. Bill Pavlat, Terry Hoage and young Master Hoage figuring out how to win at 21.

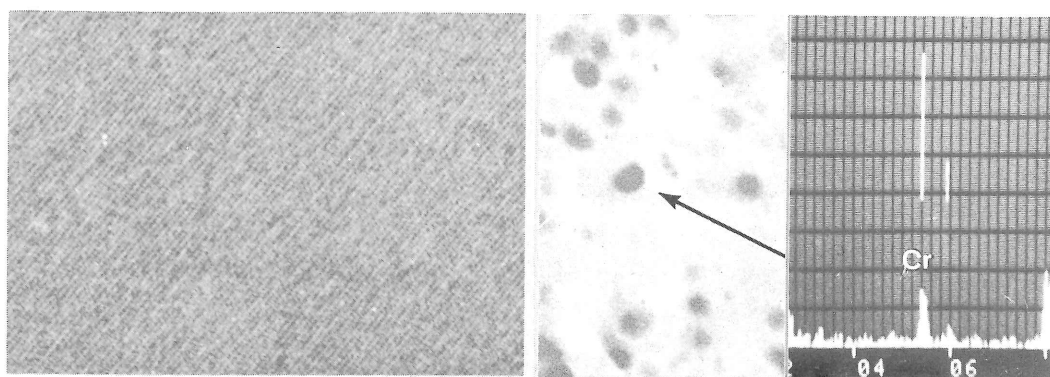


9. James Brown of NSF, Bob Turner; Weckerling's in background, at Waterwood retreat.



Branched Collagen

Helical Ribosomes



Pyrophyllite
Lattice 020

Chromium in Cellular Granule

APPENDIX

TSEM - Charter Member List

Don Benefiel	Heather Mayor
George Brock	Howard Mercer
Wilhamina Butcher	P.C. Moller
Marion Campbell	Ricardo Morales
Jeffrey Chang	Wiktor Nowinski
John Ghidoni	Charles W. Philpot
Ann Goldstein	M.L. Rudee
Gwenfryn Hopkins	Wayne Stenbeck
Harwood Johnson	Clarmon A. Sumrall
Liana Jordon	Carl Tessmer
Carl Karnaky	Harvey Thomas, Jr.
R.S. Leibelt	Robert A. Turner
Joe A. Mascorro	Robert D. Yates

TSEM - Officers 1965 - 1975

1965 - 1966

President	Bill Philpot, Rice Univ.
Vice Pres.	Lea Rudea, Rice Univ.
Secretary	Don Benefiel, Dow Chemical
Treasurer	Glenn Williams, Southwestern Medical School
Program Chrmn.	Harwood Johnson, Ivan Sorvall

1966 - 1967

President	Lea Rudee, Rice Univ.
Vice Pres.	Daniel K. Roberts, UTMB, Galveston
Secretary	Don Benefiel, Dow Chemical
Treasurer	Glenn Williams, Southwestern Medical School
Program Chrmn.	Heather Mayor, Baylor U. of Medicine

1967 - 1968

President	Daniel K. Roberts, UTMB, Galveston
Vice Pres.	Don Benefiel, Dow Chemical
Secretary	R.W. Toler, Texas A&M
Treasurer	James L. McAtee, Baylor University
Program Chrmn.	Arthur Cole, M.D. Anderson Hospital
Newletter Ed.	Carl F. Tessmer, M.D. Anderson Hospital

1968 - 1969

President	Don Benefiel, Dow Chemical
Vice Pres.	Bill Brinkley, M.D. Anderson Hospital
Secretary	Robert A. Turner, UTMB, Galveston
Treasurer	Glenn T. Williams, Southwestern Medical School
Program Chrmn.	Joe Wood, U. of Texas Med. School, San Antonio
Newsletter Ed.	Carl F. Tessmer, M.D. Anderson Hospital

1969 - 1970

President	Bill Brinkley, M.D. Anderson Hospital
Vice Pres.	Joe Wood, U. Texas Med. School, San Antonio
Secretary	Robert A. Turner, Scott & White Clinic
Treasurer	Robert D. Yates, UTMB, Galveston
Program Chrmn.	Joyce Kephart, Univ. of Texas, Austin
Newsletter Ed.	Ward Kischer, UTMB, Galveston

1970 - 1971

President	Joe G. Wood, U. Texas Med. School, Houston
Vice Pres.	Robert D. Yates, UTMB, Galveston
Secretary	Robert A. Turner, Scott & White Clinic
Treasurer	Joyce Kephart, Univ. of Texas, Austin
Program Chrmn.	Bill Winborn, U. Texas Medical School, San Antonio
Newsletter Ed.	Ward Kischer, UTMB, Galveston

1971 - 1972

President	Robert D. Yates, UTMB, Galveston
Vice Pres.	Dimitrij Lang, U. Texas, Dallas
Secretary	Kay Jo Miller, Southwestern Medical School, Dallas
Treasurer	Joe Mascorro UTMB, Galveston
Program Chrman.	Jeffrey Chang, M.D.Anderson Hospital
Newsletter Ed.	Ward Kischer, UTMB, Galveston

1972 - 1973

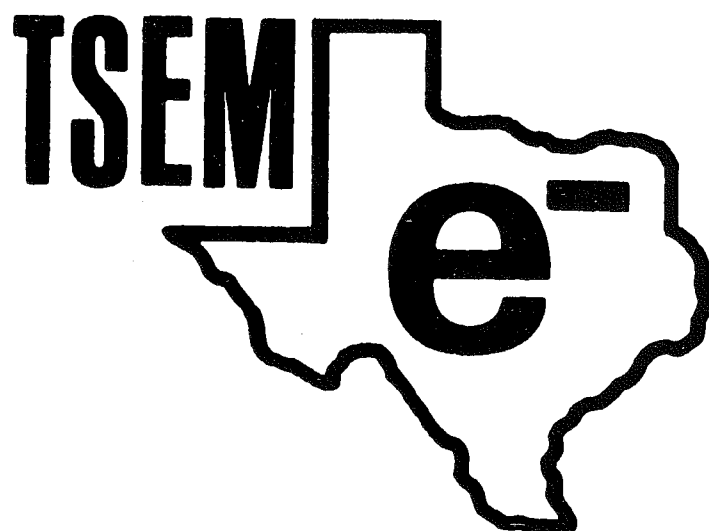
President	Dimitrij Lang, U. of Texas, Dallas
Vice Pres.	Robert A. Turner, Scott & White Clinic
Secretary	Katy Jo Miller, Southwestern Medical School, Dallas
Treasurer	Joe Mascorro, UTMB, Galveston
Program Chrman.	Terry Hoage, Sam Houston
Newsletter Ed.	Ward Kischer, UTMB, Galveston

1973 - 1974

President	Robert A. Turner, Scott & White Clini
Vice Pres.	Terry Hoage, Sam Houston
Secretary	Jerry Berlin, Texas Tech
Treasurer	Ernest Couch, Texas Christian
Program Chrman.	Larry Thurston, Texas A&M
Newsletter Ed.	Ivan Cameron, U. Texas Medical School, San Antonio

1974 - 1975

President	Terry Hoage, Sam Houston
Vice Pres.	Ward Kischer, UTMB, Galveston
Secretary	Jerry Berlin, Texas Tech
Treasurer	Ernest Couch, Texas Christian
Program Chrman.	Venita F. Allison, Southern Methodist
Newsletter Ed.	Ivan Cameron, U. Texas Medical School, San Antonio



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