

James R. DeShaw  
Professor  
Department of Biological Sciences  
College of Arts and Sciences

### **Degrees Earned**

Loras College, Dubuque, Iowa, B.S. Degree, 1965; Major: Biology; Minor: Chemistry.  
Texas A&M University, College Station, Texas, M.D. Degree, 1967; Major: Biology  
Texas A&M University, College Station, Texas, Ph.D. Degree, 1970; Major: Biology; Minor:  
Environmental Science

### **Professional Licensure and Certifications**

### **Peer-Review Publications and Artistic Performances/Exhibitions**

#### **Articles**

#### **Books**

#### **Chapters**

#### **Proceedings**

#### **Artistic Performances**

#### **Artistic Exhibitions**

### **Research Monographs and Technical Reports**

“The Effects of Continuous Prenatal and Postnatal Low Dose Gamma Irradiation on the Hemopoietic System of Immature Spanish Goats.” A Thesis, Texas A&M University Library, 1967.

“A Preliminary Study of the Early Effects of Continuous Low Gamma Prenatal Irradiation of the Hematology of the Spanish Goat.” The Texas Journal of Science, Vol. XIX, No. 4, Abstract, December 31, 1967, pps. 425-426.

“The Potential of Microbial Protein and Its Relation to Industrial Waste Treatment.” Texas Graduate Research Symposium in Water Supply and Water Pollution Control, Texas A&M University, 1969.

“Hematology of the Developing Juvenile Spanish Goat.” (Co-authors: Sidney O. Brown and Michael Szabuniewicz. The Southwestern Veterinarian, Vol. XXII, No. 4, Summer, 1969, pps. 287-292.

“An Exploration into the Possibility of Using Proteins and Amino Acids from Waste Sludge of Activated Sludge Treatment Plants.” A Dissertation, Texas A&M University Library, 1970 (microfilmed).

“An exploration into the possibility of using proteins and amino acids from waste sludge of activated sludge treatment plants.” Dissertation Abstracts International, July, 1971, Vol. 32, No. 1, p. 86-B.

“Water Quality Research–Huntsville, Texas.” A study conducted for the City of Huntsville by students of Sam Houston State University. Served as faculty advisor. Summer, 1971. 75 pps.

-2-

“A Study of Aquatic Quality in a Changing Social-economic Area North of Houston, Texas as Related to Uses of Water in Newly Constructed Lake Conroe.” A Student-Originated-Studies Program, Grant GY-9569 conducted for the National Science Foundation by students at Sam Houston State University. May 17, 1972 through August 4, 1972. 250 pps.

“Report of Interdisciplinary Study of the Lake Conroe Watershed.” Presented by G. Scott McCarley to the National Science Foundation Student-Originated-Studies Reporting Meeting at the AAAS Meeting, December 17, 1972, Washington, D. C. Faculty Advisor: James R. DeShaw

“The Impact of the Lake Conroe Water Impoundment Project on the Socio-cultural Conditions of an Area in North Montgomery County.” Presented by Linda Jamison and Peter N. Berger at the Texas Academy of Science Collegiate Academy Meeting, March 17, 1973, Houston, Texas. Faculty Advisor: James R. DeShaw

“A Study of the Chemical and Physical Water Quality of the Lake Conroe Watershed.” Presented by David Griffin, Glenn Coldeway, Stephanie Hand, and G. Scott McCarley at the Texas Academy of Science Collegiate Academy Meeting, March 17, 1973, Houston, Texas. Faculty Advisor: James R. DeShaw.

“A Study of Aquatic Quality and Socio-economic Uses of San Jacinto River Watershed.” Final Report, Summer, 1973. The result of a Student-Originated-Studies Program, Grant GY-10760 conducted for the National Science Foundation by students of Sam Houston State University. Project Advisor: James R. DeShaw. December, 1973.

“A Study of the Population and Habitat of the American Alligator.” Final Report, Summer, 1974. The result of a Student-Originated Studies Program, Grant No. GY-11523 conducted for the National Science Foundation by students of Sam Houston State University. Project Advisor: James R. DeShaw. Published in December, 1974.

Abstract presented at the International Symposium on Environmental Monitoring held in Las Vegas, Nevada on September 14-19, 1975. Title: “Aquatic Snakes as Composite Samples for Organochlorine Pesticide Residues.” Paper co-authored with Mr. H. Erle Janssen and Reid Dennis.

“Phytoplankton–The Use of the Light-Dark Bottle Dissolved Oxygen Technique for Measurement of Phytoplankton Production.” Presented at the Texas Academy of Science Meeting on March 5, 1976.

“The Status of the Hydrilla Problem in Texas Lakes and Reservoirs.” Presented at the Texas Academy of Science Meeting on March 6, 1976. Co-authored with Mr. Gerald Gimber.

“Primary Productivity on Lake Conroe.” Presented at Texas Academy of Science Meeting on March 6, 1976. Co-authored with S. S. Hand.

“A Comparison of Three Methods of Establishing Primary Productivity of the Surface Water of Lake Conroe, Texas.” Final Report on Texas Water Quality Board Contract No. 905. (Assisted by S. S. Hand and J. M. Phillips) Principal Investigators: James R. DeShaw, August, 1976. 87 pp.

“Hydrilla in South East Texas Impoundments.” Presented at the Great Plains Limnological Meeting, University of Oklahoma, Lake Texoma. September 30-October 2, 1977. Authored by J. R. DeShaw and Jack Kilgore.

“Total Nitrogen Removal in a Multi-Channel Orbal Plant, Huntsville, Texas.” Presented at the 51<sup>st</sup> Annual Conference of the Water Pollution Control Federation, October 1-6, 1978, Anaheim, California. Authored by: Charles S. Applegate (Rexnord, Inc.), Boyd Wilder (City of Huntsville), and James R. DeShaw (Sam Houston State University).

“Hydrilla verticillata-Royale: Biology, Ecology and Control in Texas.” Presented at the Annual Meeting of the Great Plains Limnological Society, November 3-4, 1978, University of Nebraska, Lincoln, Nebraska. Co-authors: Dr. Darrell Hall and Mr. Kenneth Jack Killgore, Jr.

Applegate, C. S., Wilder, B., and DeShaw, J. R., “Total Nitrogen Removal in a Multi-channel Oxidation System.” Journal of Water Pollution Control Federation, Vol. 52, No. 3, 568-577. (1980).

“Future Water Concerns in Texas (Quantity, Quality and Cost).” Presented at the Texas Environmental Health Association Meeting in Austin, Texas, February 26, 1984.

Presented paper entitled “Computer, What, Where, How and When” to TACUSPA Annual Meeting, Huntsville, Texas. October 14, 1985

“The Status of Lake Conroe, 15 years after the infestation of two non-native species, namely Hydrilla (Hydrilla Verticillata) and the Chinese Grass Carp (Ctenopharyngodon Idella).” Presentation at the Great Plains Limnological Meeting, October, 1991,

“The Use of Undergraduate Interns as a Means of Creating Interest in Safety & Industrial Hygiene Careers. Academics Journal, American Society of Safety Engineers, Article 5. Author: James R. DeShaw, 2006

### **Funded External Grants**

Summer research project involving a water quality survey of the Walker County area. Sponsored

by the City of Huntsville. May-August, 1971, \$1,920.

A Study of Aquatic Quality in a Changing Social-Economic Area North of Houston, Texas, as Related to Uses of Water in Newly Constructed Lake Conroe. Funded by the National Science Foundation from May 15, 1972 to February 1, 1973. Grant total was \$15,440 of which \$2,812 was contributed by Sam Houston State University. Project involved participation by ten undergraduate students for a twelve week period during the summer of 1972.

A Study of Aquatic Quality in the Huntsville area. Funded by the City of Huntsville from May 10 to August 15, 1972. Total support: \$1,920.

Institutional Grant for Science awarded to Sam Houston State University Grant No. GU-3751, Amendment No. 3. Grant received due to 1972 NSF Student-Originated-Studies Grant. Amount of grant: \$5,450. December, 1972. Result of GY-9560.

Student-Originated-Studies Program. A Study of Aquatic Quality and Socio-economic Uses of San Jacinto River Watershed. Funded by the National Science Foundation, Grant No. GY-10760 from May 14, 1973 to August 3, 1973. Amount of grant was \$14,850. Sam Houston State University also contributed \$3,454.

A Study of Primary Productivity and Species Diversity of Lake Conroe. Funded by the Texas Water Quality Board from June 1 through September 1, 1973. Amount of grant: \$2,000. (Grant provided financial support for senior level undergraduates.)

A Study of Local Aquatic Conditions—Huntsville, Texas. Funded by the City of Huntsville, Texas from June 1 through September 1, 1973. Amount of grant: \$1,920.

Grant from the Department of Health, Education, and Welfare to improve the University Library holdings in areas of Environmental Science and Ethnic Studies. Proposal was written by Mr. Dwyer. Amount awarded: \$5,000, of which \$1,200 was allotted to the area of Environmental Science. October, 1973.

Institutional Grant for Science awarded to Sam Houston State University. Grant No. GU-3751, Amendment No. 4. Grant received due to 1973 National Science Foundation Student-Originated-Studies Grant. Amount: \$4,500, January, 1974. (A result of GY-10760).

Student-Originated-Studies Program. A Study of the Population and Habitat of the American Alligator. Funded by the National Science Foundation for the summer of 1974. Amount: \$14,160.

Comparison of Methods of Determining Primary Productivity. Funded by Texas Water Quality Board, Austin, Texas. Support for students and supplies for June, 1974 through May, 1975. Amount: \$5,000

City of Huntsville grant to study the “Brown Water Problem,” in the City water supplies. Support for student researcher. Awarded May 10, 1974. Amount: \$324.

City of Huntsville, Texas, grant to support a water research program to alleviate the brown water in the City’s domestic supply lines. Conducted during the summer of 1975. Amount: \$266.

Student-Originated-Studies Program. Sociological, Economic and Biological Ramifications of Establishing the Big Thicket National Preserve. Funded by the National Science Foundation for the summer of 1975. Amount of grant: \$17,390.

Denitrification Study. Sponsored by Rexnord Corporation Research and Development Group of Milwaukee, Wisconsin. Amount of grant: \$2,300. Funded January 4, 1977.

Support for Improvement of the Environmental Science Program. Funded by Continental Oil Company. Amount funded: \$1,000. February 10, 1977.

Water Hyacinth: A Study of Its Uses for Energy, Agriculture, and Water Treatment. Funded by the National Science Foundation-Student Originated Studies Program for the summer of 1977. Amount received: \$16,000. Funded March 30, 1977. Project Director: George Morovich; Faculty Advisor: James R. DeShaw.

Marine Resources Reference Center. Funded by the Sea Grant Program Office through co-participating university, Texas A&M University, Center for Marine Resources. Amount funded: \$15,062 from Sea Grant; \$9,147 from SHSU. Dates: September 1, 1977 through August 31, 1978. Project Director: James R. DeShaw. Funded: June 15, 1977.

Pre-College Teacher Development in Science Project for Secondary Earth and Life Science Teachers; Outdoor Science Education. Funded by the National Science Foundation in the amount of \$35,159. Funded July 1, 1977. Participating faculty: Drs. J. R. Hilliard, Jr., Director; D. Brown; J. Long, J. R. DeShaw; and Mr. C. McLeod. Dates: August 27, 1977 through May 17, 1978.

Supplement from Sea Grant Program to attend National Marine Education Association Meeting. Evergreen State College in Olympia, Washington. Amount awarded: \$500 for August 8-12, 1978. Date funded: June 15, 1978.

Marine Resources Reference Center. Funded by Texas A&M University, Sea Grant College Program. Amount funded: \$15,000 from Sea Grant; \$7,910 from SHSU for 1978-1979 year. Date funded: June 28, 1978.

Hydrilla Infestation of Lake Conroe: The Nature of the Aquatic Macrophyte and Biological,

Sociological and Economic Ramifications. Funded by the National Science Foundation, Student Originated Studies Program in the amount of \$15,172.70 for the period May 15, 1979 through January 31, 1980. Ms. Vicky Sue Fuessley, Project Director and Dr. James R. DeShaw, Project Advisor. Funded in March, 1979.

Continental Oil Company grant to improve the Environmental Sciences Program. Amount awarded: \$1,000. Funded on March 26, 1979.

Continental Oil Company grant to improve the Environmental Sciences Program. Amount awarded: \$1,000. Funded on May 7, 1980.

Continental Oil Company grant to improve the Environmental Sciences Program. Amount awarded: \$1,000. For 19 81 academic year.

Continental Oil Company grant to improve the Environmental Sciences Program. Amount awarded: \$2,000. Awarded March, 1982.

Continental Oil Company grant to improve the Environmental Sciences Program. Amount awarded: \$2,000. Awarded October, 1982.

Continental Oil Company grant to improve the Environmental Sciences Program. Amount awarded: \$2,000. For 1983 academic year.

Continental Oil Company grant to improve the Environmental Sciences Program. Amount awarded: \$2,000 for the 1984 academic year.

Continental Oil Company grant to improve th Environmental Sciences Program. Amount awarded: \$2,000 for the 1985 academic year.

Coordinating Board for Texas College and University System award for Science Summer '86 SHSU: A program for Secondary School Science Teachers. Drs. J. Bass and J. DeShaw, co-directors. Amount awarded: \$35,102. November, 1985.

H & L Utility Service grant to purchased teaching and research equipment. Amount awarded \$2500. December, 1985.

Texas Air Control Board Interagency Contract with Sam Houston State University to operate Acid Rain Monitoring Station between March 1, 1986 through August 31, 1987. Amount awarded: \$750.00. February, 1986.

Continental Oil Company grant to improve the Environmental Sciences Program at Sam Houston State University. Amount awarded: \$2,000.00, for academic year 1986.

Coordinating Board for Texas College and University System award for Science Summer 1987 at SHSU: A Program for Secondary School Science Teachers. Drs. J. Bass and J. DeShaw, co-directors. Amount awarded: \$30,614. November, 1986.

Continental Oil Company grant to improve the Environmental Sciences Program at Sam Houston State University. Amount awarded: \$2,000.00 for 1987 academic year.

Interagency contact with Texas Department of Corrections for one-week workshop on environmental issues. Total of \$5,368.00. Awarded in August, 1987.

Texas Air Control Board Interagency Contract with Sam Houston State University to operate Acid Rain Monitoring Station between September 1, 1987 and August 31, 1988. Amount awarded: \$800.00. October, 1987.

Texas Air Control Board Interagency Contract with Sam Houston State University to operate Acid Rain Monitoring Station between September 1, 1988 and August 31, 1989. Amount awarded: \$800.00. October, 1988.

Texas Air Control Board Interagency Contract with Sam Houston State University to operate acid rain monitoring Station between September 1, 1990 and August 31, 1992. Amount awarded: \$2,000.00. September, 1989.

Continental Oil Company grant to improve Environmental Science Program at Sam Houston State University. Amount awarded: \$2,000 for 1989-90 academic year.

Cooperative Project with the Corps of Engineers, funded for the summer of 1991. Employs one graduate student and one undergraduate student for a three month period during the summer.

NOTE: Educational and institutional grants and grants-in-aid programs obtained include approximately \$100,000 between 1980 and 1990. Some of these have been cooperative grants with the College of Education.

Marine Resources Reference Center. Funded by the Sea Grant Program Office through co-participating University, Texas A&M University, Center for Marine Resources. Amount funded: \$17,500 from Sea Grant. Dates: September 1, 1979 through August 31, 1980. Funded June 15, 1979.

Grant from the National Sea Grant Program in the amount of \$531.00 on June 19, 1980 as a

supplemental grant to provide support for attending the National Marine Education Association Meeting in Salem, Massachusetts, August 6-9, 1980.

Grant from Gulf States Utilities in the amount of \$5,000 on August 125, 1980 for a twelve month study of hydrilla on Lewis Creek Reservoir.

Continental Oil Company grant to improve the Environmental Sciences Program. Amount awarded: \$1,000. Funded on May 7, 1980.

### **Peer-Review Presentations/Posters**

### **Work or Professional Experiences**

- 1964 - 1965 Loras College, Dubuque, Iowa, Undergraduate Teaching Assistant.
- 1965 - 1967 Texas A&M University, College Station, Texas, Graduate Teaching Assistant in Biology
- 1967 - 1970 Texas A&M University, College Station, Texas, Half-time Research Assistant in Environmental Science
- 1970 - 1973 Sam Houston State University, Huntsville, Texas, Assistant Professor of Biology and Environmental Science
- 1973 - 1981 Sam Houston State University, Huntsville, Texas, Associate Professor of Biology and Environmental Science
- 1981 - 1984 Sam Houston State University, Huntsville, Texas, Director, Faculty Research and Graduate Studies and Associate Professor of Biology and Environmental Science.
- 1984 - 1985 Sam Houston State University, Huntsville, Texas, Part-time Research and Development Coordinator, College of Arts and Sciences, and Professor of Biology and Environmental Science.
- 1988 - 1989 Sam Houston State University, Huntsville, Texas, Director of Faculty Research and Graduate Studies and Professor of Biology and Environmental Science.
- 1985-Present Sam Houston State University, Huntsville, Texas, Professor of Biology and Environmental Science

### **Honors and Awards**

Named to Outstanding Young Men of America, 1972

Named to Outstanding Educators of America, 1973

Named to Personalities of the South, 1973

Nominated to Outstanding Young Men of America, 1976

Nominated to Outstanding Young Mem of America, 1977

Environmental Science Program at SHSU was recognized in the Environmental Science & Technology Journal, 1990, as being one of three undergraduate Environmental Science Programs in the state of Texas.

Sam Houston State University's Environmental Science Program was cited in the "Subsidence Update," the official publication of the Harris-Galveston Coastal Subsidence District, as an undergraduate program in the area of Environmental Science.

### **Other Competencies**

#### Consulting

Consulting and Research Services, Inc. Retainer and consultant on problems involving microbial degradation of exotic organic wastes.

Consultant to the Trinity River Authority concerning physical and chemical water quality of Lake Livingston.

Consultant to Ryckman, Edgerly, Tomlinson & Associates, Inc., concerning nutrient uptake by aquatic vascular plants of the Southwest.

Consultant to the City of Huntsville concerning maintenance of water quality.

Consultant to the National Science foundation, Washington, D. C. for reviewing Student Science Training Proposals. January 9-12, 1974.

Member of the Board of Directors and consultant to NRG-Resources Recovery, Inc. (15 Linda Drive, Massapequa Park, New York 11762) regarding basic and applied research in energy conservation. May 17, 1974.

Consultant to O'Malley & Clay for preparation of an Environmental Impact Statement on the Huntsville Municipal Airport Improvements and Expansion Project. August, 1974.

Consultant to the National Science Foundation, Washington, D. C. for reviewing Student Science Training Proposals. Chaired committee to review proposals in the area of biological sciences. The five man committee made recommendations for funding of \$445,000 to support SST projects throughout the United States. November 15-17, 1974.

Invited by the National Research Council (Principal Operating Agency of the National Academy of Sciences) to review the technical reports prepared on the Trinity River under the sponsorship of the

National Commission of Water Quality. March, 1975.

Consultant to the Houston Independent School District under the Magnet Project for the development of outdoor laboratories. August 1, 1975 appointment date.

Consultant to the National Science Foundation to review NSF-SOS Proposals. Chaired a committee of four to review proposals in the area of Biology and Environmental Science. development of outdoor laboratories. August 1, 1975 appointment date.

Consultant to the National Science Foundation to review NSF-SOS Proposals. Chaired a committee of four to review proposals in the area of Biology and Environmental Science. November 5-8, 1975. Meeting held in Washington D. C.

Consultant to the City of Huntsville, Texas, relative to water related projects and problems. 1976-1977.

Consultant to Dr. R. H. Parker of Coastal Ecosystems Management, Inc. in the preparation of "Environmental Inventory and Assessment of a Proposed New Sewage Treatment Plant Serving the Northside of Huntsville, Texas." August 13, 1976.

Consultant to O'Malley & Clay, Inc., Consulting Engineers, in reviewing environmental impact statements. December, 1976.

Consultant to the National Science Foundation acting as a panelist to review Fiscal Year 1977-1978 Precollege Teacher Development In-Service Science Program Proposals. Phoenix, Arizona. December 14-17, 1977.

Consultant to the National Science Foundation to review NSF-SOS Proposals for the student-originated studies program. January 5-8, 1977. Washington, D. C.

Consultant to the National Field Research Center, Inc., Iowa City, Iowa, as a member of the review committee for post-secondary education profiles for environmental science and energy programs. Spring, 1978.

Consultant to the National Science Foundation to review pre-college Teacher Development in Science Programs. October 24-27, 1979. Atlanta, Georgia.

Consultant to the National Science Foundation to review undergraduate research participation proposals in Denver, Colorado on October 9-11, 1980.

Consultant to the National Science Foundation as panel reviewer of proposals in the area of teacher enhancement and informal science education. January 24-26, 1985. Washington, D. C.

Consultant to City of Huntsville on preparation of Environmental Impact Statement germane to Boettcher Mill Project. 1986.

Cooperated with John Shuman of Burns and McDonnell of Kansas City, Kansas on the Bedia Impoundment Study. Mr. Gary Foster, a junior level student, worked with Mr. Shuman in the fish sampling and on some of the water quality work. 1985-86.

Served on Advisory Committee for the evaluation of certain toxic substances in the mid-Trinity River. Dr. Richard M. Browning of Trinity River Authority coordinates the committee. 1984-86.

Member of Statewide Mathematics and Science Education Planning Group concerning development of teacher training, curriculum and program development and implementation, student access and cooperative institutional linkages. Appointed by Dr. William H. Sanford, Assistant Commissioner, Division of Universities and Research Coordinating Board. November, 1986.

Consultant to Techna Systems on hazardous waste and toxic of drilling fluids. 1987-1990.

### **Teaching**

Listed below are the courses that have been taught at Sam Houston State University between 1970-1990. Advanced courses were offered on a two year rotation.

Biology 130  
Biology 136  
Biology 141  
Biology 142

Human Biology  
Introductory Biology II  
Introduction to Life Sciences  
Animal and Plant Diversity

Biology 147\*  
Biology 410:411  
Biology 433  
Biology 495  
Biology 510:511  
Biology 590

Environmental Science  
Undergraduate Seminar  
Aquatic Biology  
Special Topics in Biology  
Graduate Seminar  
Limnology

Biology 595

Special Graduate Topics in Biology

Environmental Science 330  
Environmental Science 341

Legal Aspects of Pollution Control  
Instrumentation

Environmental Science 343  
Environmental Science 440  
Geoscience 330

Water Supply and Waste Water Disposal  
Air Pollution  
General Oceanography

Between 1990 and the present, a general teaching format has been: two freshman courses and one advanced course each semester, plus the teaching of a one hour seminar course during most semesters. In possibly one or two summers in the early 1990's, a freshman level biology course may have been taught. In addition to the typical load, a number of special teaching arrangements were made with senior level students who were taking an ESC or Biology 495 credit.

#### Summer Institute for Teachers

During the summer terms for at least half the years, I taught cooperatively with members of the education faculty to provide special training for teachers interested in the sciences. The support came from Gulf States Utilities, EPA, TCEQ, as well as other private entities. Between 1995 and 2005, eight summer programs were conducted jointly between Biology Department and the Education Department for area teachers. These summer programs were funded by the Texas Commission on Environmental Quality and Entergy. Faculty members that were involved over the ten year period include Drs. J. Bass, J. DeShaw, T. Content, and M. Hammer. A total of over 100 area teachers participated in the program that had a general theme of teaching environmental science. Part of the program included field trips, tours, and guest lecturers involving area industries and agencies.

#### Internships

Beginning in 1988, a summer internship was developed for students that has had in excess of one million dollars of support from external entities, mainly companies and agencies of Southeast Texas. This program is a "model" for other internship programs around the state and nation. Most recently, I was named to a state committee to help build a state-wide program for college students across Texas. Over 200 students have participated in the internship program. Multiple companies and agencies have supported this cooperative activity. Approximately 20 percent of the student interns have received job offers as a direct result of their summer experience.

#### Development Activities

For the last several years, I have chaired the Development Committee within our Department that functions to create fiscal resources for students. Late this spring, the Department offered 26

scholarships to Biology and Environmental Science students as a result of a long time effort by our faculty to develop scholarships.

### **Committee Work**

#### University

University Facilities Use Committee. Dean Sutton, Chairman. Appointed in September, 1971.

University Energy Conservation Committee. Appointed by President Bowers to assist the University administrators in conserving and preventing waste of energy on campus. Appointed in December, 1973.

Served as a member of the Faculty-Student Committee formed to help with the organization and arrangements of the High School Science Day at SHSU for 1973, 1974, 1975 and 1976.

Student Organizations Board. One of four faculty members appointed by President Bowers to review SHSU student organizations. October, 1973. Reappointed in October of 1973 for a two-year term. Named Chairman of the Board I October of 1974.

Texas Academy of Science Organizational Committee for the 1975 meeting to be held on the SHSU campus. Appointed in January of 1974.

Served on the Quality of Life Day Organization Committee, a faculty-student committee to organize the February 6 and 7, 1974 SHSU Quality of Life Day.

University Committee to review the Student Evaluation of Faculty Members. Appointed by President Bowers on November 27, 1974. Dean Ryan, Committee Chairman.

Appointed by Dr. Jack Humphries to serve on the Committee to Evaluate Student Recruiting Practices by SHSU. January, 1976.

Elected to the University Faculty Council. Represented College of Sciences. Served from September, 1976 through August, 1979.

University Who's Who Selection Committee. Appointed in September of 1976. This committee's purpose is to review Who's Who nominees.

Committee for 1977-1979 SHSU High School Symposium to be held at SHSU on February 3-4, 1978. Appointed in October of 1977.

Committee for Energy Conservation. Appointed by Dr. Elliott T. Bowers, President of SHSU, on March 28, 1978. Chaired by Dr. Frank Leathers, Vice President of Fiscal Affairs.

Committee for Organized Research. Nominated by University Faculty Council for a term of September 1, 1978 through August 21, 1982. Resigned to accept administrative position

(Director of Faculty Research and Grants).

Appointed to the International Programs Committee in 1981. This committee is charged with the responsibility of making recommendations concerning international programs and services that are provided to international students.

Member, Academic Affairs Council. This is a council that consists of the academic deans, all department and division chairpersons, and other academic persons at Sam Houston. The Council is charged with making recommendations to the Academic Policy Council and to the Academic Vice President.

Member, Academic Policy Council. Appointed June, 1981. The Council is charged with the responsibility of reviewing and making final policy recommendations for adoption at Sam Houston State University. Their recommendations are made to the President and/or to the Board of Regents.

Appointed to chair the Ad Hoc Committee on Faculty Remuneration for Assigned Extra Duties. The committee is charged with the responsibility of evaluating faculty remuneration for work on external contracts. The need for this committee arose because of a concern relative to federal guidelines on federal expenditures.

Appointed to chair the Task Force on Academic Computer Needs Assessment. Appointed by Academic Vice President Humphries to assess the academic needs for computers at Sam Houston State University. The committee was charged with the responsibility of preparing a plan for the Automated Information Systems Advisory Council in Austin and for preparing a list of needed hardware and software for purchase consideration.

Appointed to the Ad Hoc Committee on Computer Utilization. This committee was appointed to assess the need for charging grants and contracts for computer services and to recommend a method whereby external persons and entities could purchase computer time.

Appointed to chair Committee on Master Plan. This committee, consisting of the Academic Deans, Director of School of Library Science, and Mr. J. A. Chandler, was charged with evaluating all academic aspects of Sam Houston State University. The committee was formulated in July, 1981, to present the academic needs for physical modifications at Sam Houston State University. The plan was accepted by the Board of Regents and served as a guideline for \$26,000,000 worth of academic physical plant modifications.

Appointed to Ad Hoc Committee to Address Senate Recommendations on Faculty Merit and Evaluation System, June, 1984.

Appointed to chair Computer Facilities Advisory Committee. Fall, 1984.

Appointed local arrangements Chairman and contact person for the 90<sup>th</sup> Meeting of the Texas Academy of Science to be held on the Sam Houston State University campus in the Spring of 1987.

Appointed to Educational Assistance Fund (Prop. 2) Advisory Committee. Spring, 1985.  
Appointed to Special Registration Committee. Spring, 1985.

Appointed Chairman of College of Arts and Sciences Pre-College Science Teachers Education Committee. Fall, 1985.

Named member of TAMU Environmental Engineering Advisory Council. Served with nine other people. Appointed by Dean of Engineering. Fall, 1985.

Served as Local Arrangements Chairman for the 1987 meeting of the Texas Academy of Science which was held at Sam Houston State University on March 5-7, 1987.

Named member of Committee on Institutional Purpose for Southern Accrediting Association. Self-study, Dr. Withold Lukaszewski, Chairman, June, 1987.

Special Committee to assist with Gifted and Talented programs. Dr. Phillip Swicegood, Chairman, January, 1990.

#### Departmental

Property Committee

Proposal Committee

Biology 140 Committee

Follow-up Committee

Undergraduate Curriculum

Summer Field Studies

Geoscience Program Subcommittee (1973)

Biology Scholarship Fund, Chairman (1972-1976)

Lake Conroe Field Station, Chairman, 1974-1975

Career Day Committee

Biology Building Position Committee (1975)

Life Science Library Committee (1978)

Environmental Science Endowment Committee (1986-present)

Brochure Preparation Committee

Curriculum Review Committee

Served two terms on the faculty senate

Centennial Scholarship Committee

Development Committee

#### State Committee

Spring, 2005-Present – Appointed to a state advisory committee charged with the responsibility of building the Mickey Leland Internship Program.