



TEXAS  
BRANCH  
AMERICAN  
SOCIETY FOR  
MICROBIOLOGY

1982

FALL  
MEETING

30 SEPT.-2 OCT. LUBBOCK

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Fundraising.....Maurice Asmussen

### ACKNOWLEDGMENTS

We are grateful to Dr. and Mrs. George Beck who have contributed funds towards an award for the best student research presented during the Clinical Microbiology session. This award is being presented in honor of Professor Lyle Kuhnley, recently retired from the faculty of Texas Tech University.

We extend our appreciation to Prof. Larry S. Roberts, Chairman of the Dept. of Biol. Sci.; Assc. Dean of A&S, Arthur L. Draper; and Dean of the Medical School, J. Ted Hartman of Texas Tech University and of Texas Tech Univ. Health Science Center for funds which helped defray many of the expenses incurred in setting up the meeting.

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All attendees and their guests are urged to support the sustaining members and to visit their exhibits in Patio West.

We are indebted to the following sustaining members for their contributions to the meeting fund.

BBL MICROBIOLOGY SYSTEMS

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THURSDAY  
30 SEPT 82

- 2:00-7:00 Registration in the motel lobby
- 3:00-7:00 Executive Meeting (Texas Branch-ASM  
Officers and Guests)

MAYAN ROOM

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THURSDAY EVENING

AZTEC ROOM

SYMPOSIUM: THE HOST PARASITE RELATIONSHIP  
INVOLVING ANAEROBIC INTESTINAL  
BACTERIA

- 7:00 The role of intestinal anaerobic bacteria  
in colonization resistance.  
DAVID HENTGES; Dept. of Microbiology, Texas  
Tech University Health Science Center;  
Lubbock; TX.
- 7:45 Cell surface biochemistry of anaerobic  
bacteria: role in pathogenicity.  
DANA L. DIEDRICH; Dept. of Microbiology,  
Texas Tech University Health Science Center;  
Lubbock, TX.
- 8:30 COFFEE BREAK
- 8:45 Pig-bel: a disease associated with Clostridium  
perfringens type C.  
R. WILSON; Dept. of Pediatrics, Texas Tech  
Regional Academic Health Center; Amarillo, TX.
- 9:30 Role of Clostridium difficile in antibiotic-  
associated intestinal disease.  
RIAL ROLFE; Dept. of Microbiology, Texas  
Tech University Health Science Center; Lubbock,  
TX.

PROGRAM IN BRIEF

DAY	ROOM		
	BRONZE	AZTEC	MAYAN
THUR.	SYMPOSIUM 7:00-10:15 pm		
FRI.	INFECTIVITY STUDIES 8:15-9:30	IMMUNITY I 8:30-9:45	MOLECULAR GENETICS 8:30-9:30
	PATH. MECH. I 10:00-11:15		CELL SURFACE CHARACTERISTICS 10:00-11:15
	PATH. MECH. II 1:00-2:15		GEN. MICRO. I 1:00-2:00
	PATH. MECH. III 2:45-4:00	CLIN. MICRO. 2:30-3:45	GEN. MICRO. II 2:30-3:30
		DWAYNE SAVAGE ASM-SPEAKER 4:30-5:30	
	6:00-8:00 BBQ at the Ranching Heritage Ctr.		
	8:00-12:00 DANCE in the Aztec Room.		
SAT.	IMMUNITY II 8:30-9:15	CLIN. ANAERO. BACT. WKSHOP. 8:30-12:00	GEN. VIROL. 8:30-9:30
	IMMUNITY III 9:45-11:00		MED. VIROL. 10:00-11:00
	BUSINESS MT. 11:30		

The program has been organized to group together similar topics. A few of the talks, therefore have been moved from the medical category to the general or clinical sessions so that they can be presented with the bulk of similar topics.

FRIDAY MORNING  
1 OCTOBER 1982  
MAYAN ROOM

GENERAL MICROBIOLOGY: MOLECULAR GENETICS

Convener: Dr. Gerald Wilson, Abilene Christian U.

- 8:30 Frequency and arrangement of the gene sequence encoding Type I pili among Enterobacteriaceae.  
KAY BUCHANAN\*\*, SHEILA HULL, STANLEY FALKOW, and RICHARD HULL; Baylor College of Medicine; Houston, TX and Stanford University College of Medicine; Stanford, CA.
- 8:45 Cloning and characterization of the glpKF operon of Escherichia coli K12.  
CHARLES A. CONRAD\*\* and JAMES R. JOHNSON; Dept. of Biology, Texas A&M University; College Station, TX.
- 9:00 Structural and biochemical characterization of the metJB transcription units of Escherichia coli K12.  
OLIN K. FEARING\*\*, CHERYL A. GOLDEN, and JAMES R. JOHNSON; Dept. of Biology, Texas A&M University; College Station, TX.
- 9:15 The biosynthesis of the group- and type-specific antigens at the cell membrane level of a Type III Group B Streptococcus.  
MARIA K. YEUNG\*\* and STEPHEN J. MATTINGLY; Dept. of Microbiology, University of Texas Health Science Center; San Antonio, TX.

9:30 COFFEE BREAK

GENERAL MICROBIOLOGY: CELL SURFACE  
CHARACTERIZATION

- 10:00 Identification of outer membrane protein antigens of Haemophilus influenzae type b expressed in vivo.  
PAUL A. GULIG\*\* and ERIC J. HANSEN; Dept. of Microbiology, University of Texas Health Science Center; Dallas, TX.
- 10:15 Serotyping of avian Chlamydia psittaci.  
J.E. GRIMES\* and D.K. WINSOR, Jr; Dept. of Veterinary Microbiology and Parasitology, Texas A&M University; College Station, TX.
- 10:30 Surface lectin-binding of Wangiella dermatitidis during vegetative morphogenesis. C.R. COOPER, JR\*\* and P.J. SZANISZLO; Dept. of Microbiology, University of Texas; Austin, TX.
- 10:45 Chemical characterization of C-ASWS: a Coccidioides cell wall antigen.  
COLLEEN A. OLSBERG, REBECCA A. COX, and STEPHEN J. MATTINGLY; University of Texas Health Science Center at San Antonio and the San Antonio State Chest Hospital; San Antonio, TX.
- 11:00 Cell wall proteins of Candida albicans.  
W. L. CHAFFIN\* and D. M. STOCCO; Depts. of Microbiology and of Biochemistry, Texas Tech University Health Science Center; Lubbock, TX.
- 11:15 LUNCH

FRIDAY MORNING  
1 OCTOBER 1982  
MAYAN ROOM

MEDICAL MICROBIOLOGY: INFECTIVITY STUDIES

Convener: Dr. Archie Manis, Abilene Christian Univ.

- 8:15 Respiratory infection with attenuated Mycobacterium tuberculosis (H37Ra) in malnourished guinea pigs.  
DAVID N. McMURRAY\*, MIRTA A. CARLOMAGNO, and PATRICIA A. CUMBERLAND; Dept. of Medical Microbiology and Immunology, Texas A&M Medical School; College Station, TX.
- 8:30 Response of zinc-deficient rats to vaccination and respiratory challenge with Listeria monocytogenes.  
MIRTA A. CARLOMAGNO and D.N. McMURRAY\*; Dept. of Medical Microbiology and Immunology, Texas A&M Medical School; College Station, TX.
- 8:45 Resistance to Trypanosoma gambiense among inbred strains of mice.  
ENCARNACION PEREZ, JR\*\* and PETER DUFFLEY; Dept. of Biological Sciences, Texas Tech University; Lubbock, TX.
- 9:00 Corynebacterium equi foal pneumonia: Experimental production and evaluation of subacute foal pneumonia.  
N. TOBIN\*\*, R.J. MARTENS, and H.W. RENSHAW; Depts. of Veterinary Microbiology and Parasitology and of Large Animal Surgery and Medicine, Texas A&M University; College Station, TX.
- 9:15 The effects of acute and chronic exposure to NO<sub>2</sub> on susceptibility to infection with Klebsiella pneumoniae. J.M. RICKABY\*\*, J.S. OYERVIDES, J.J. McGRATH, and G.T. GOOCH. Dept. of Micro., TTUHSC; Lubbock, TX.



9:30 COFFEE BREAK

MEDICAL MICROBIOLOGY: MECHANISMS OF  
PATHOGENICITY I

- 10:00 Plasmids associated with pathogenic isolates of Pasturella haemolytica.  
A.B. RICHARDS\*\* and H.W. RENSHAW; Dept. of Veterinary Microbiology and Parasitology, Texas A&M University, College Station, TX.
- 10:15 Physio-chemical characteristics of a toxin produced by Pasturella haemolytica.  
Y.F. CHANG\*\*, H.W. RENSHAW, and A.B. RICHARDS; Dept. of Veterinary Microbiology and Parasitology, Texas A&M University; College Station, TX.
- 10:30 Factors affecting the immune response to murine melanoma. LISA LEACH\*\* and PETER DIFFLEY; Dept. of Biological Sciences, Texas Tech University; Lubbock, TX.
- 10:45 The surface coat of Trypanosoma brucei causes polyclonal lymphocyte activation. PETER DIFFLEY\*; Dept. of Biological Sciences, Texas Tech University; Lubbock, TX.
- 11:00 Studies on a variant of Coxsackievirus B3 causing paralysis in mice.  
S.M. WITHERSPOON\*\*, R.J. GUDVANGEN, and C.J. GAUNTT; Dept. of Micro., Univ. of Texas Health Sci. Ctr.; San Antonio, TX.
- 11:15 LUNCH

FRIDAY MORNING

1 OCTOBER 1982

AZTEC ROOM

MEDICAL MICROBIOLOGY: IMMUNE RESPONSE I

Convener: Dr. John H. Brewer, Hardin-Simmons Univ.

- 8:30 Preliminary studies on a specific serum which transfers resistance to Coxsackievirus B3-induced myocarditis in mice.  
E. K. GODENY\*\*, R.J. GUDVANGEN, H.M. HURTAGO, R.E. PAQUE, and C.J. GAUNTT;  
Dept. of Microbiology, Univ. of Texas Health Science Center; San Antonio, TX.
- 8:45 Functional studies of polymorphonuclear leukocytes in canine Pelger-Huet Anomaly.  
E.J. BROWDER\*\*, D.H. WARNER, D.D. JOHNSON, and H.W. RENSHAW; Dept. of Vet. Micro. and Parasit., Texas A&M University; College Station, TX.
- 9:00 The effect of chronic uterine infection on alternate complement pathway activity in mare sera.  
M.C. SEAMANS\*\*, R.J. MARTENS, and H.W. RENSHAW; Dept. of Vet. Micro. and Parasit., Texas A&M University; College Station, TX.
- 9:15 The effect of gold on the in vitro activity of human natural killer cells.  
ELIZABETH F. HARRIS\*, REBECCA L. MORROW, and JOHN W. MEASEL; Dept. of Microbiology and Immunology, Texas College of Osteopathic Medicine; Fort Worth, TX.
- 9:30 Enhanced beta-lysin activity with membrane perturbation of Escherichia coli.  
GARY T. GOOCH\*, STEVE HUBBARD, and C.L. BAUGH; Depts. of Microbiology, Texas Tech Univ. and TTU Health Science Center; Lubbock, TX.
- 9:45 COFFEE BREAK:SESSION ENDS

FRIDAY AFTERNOON

1 OCTOBER, 1982

AZTEC ROOM

CLINICAL MICROBIOLOGY SESSION

Convener: Dr. Doris Drow, T.T.U.H.S.C. at El Paso

- 2:30 A typical Coccidioides immitis diagnosed by exoantigen testing.  
K. BURROWS\*, JOE STEADHAM, and T.W. HUBER; Olin E. Teague VA Hospital in Temple, TX and the Texas Dept. of Health, Austin, TX.
- 2:45 Use of coagglutination techniques in the rapid identification of microorganisms.  
M.C. GOLDSCHMIDT\* and P.A. O'NEILL; Dental Science Inst., Dental Branch of the Univ. of Texas Health Science Center; Houston, TX.
- 3:00 Enzyme-linked immunoabsorbant assay (ELISA) for detecting antibodies to Corynebacterium pseudotuberculosis in caprine serum.  
T.Y. HSU\*\*, H.W. RENSCHAW, and P.C. HECK; Dept. of Vet. Micro. and Parasit., Texas A&M University; College Station, TX.
- 3:15 A serodiagnostic technique for Corynebacterium pseudotuberculosis.  
J.L. AUGUSTINE\*\*, H.W. RENSCHAW, and J. CALDWELL; Depts. of Vet. Micro. and Parasit. and of Animal Science, Texas A&M University; College Station, TX.
- 3:30 Evaluation of antimicrobial susceptibilities of Group A streptococci in the Oklahoma City Metroplex.  
KIM D. FLOYD\*\*, MADELEINE P. CUNNINGHAM, and D.J. FLOURNOY; Dept. of Micro. and Immunology, University of OK Health Sciences Center; Oklahoma City, OK.
- 3:45 SESSION ENDS

FRIDAY AFTERNOON  
1 OCTOBER, 1982  
BRONZE ROOM

MEDICAL MICROBIOLOGY: MECHANISMS OF  
PATHOGENICITY II

Convener: Dr. Terry Foster, Hardin-Simmons Univ.

- 1:00 Neuraminidase production by a Viridans Streptococcus associated with subacute bacterial endocarditis. GATHY PORTNOY-DURAN\* and DAVID C. STRAUS; Dept. of Microbiology, Texas Tech University Health Science Center; Lubbock, TX.
- 1:15 Protease production by a Viridans Streptococcus associated with subacute bacterial endocarditis. DAVID C. STRAUS\*; Dept. of Microbiology, Texas Tech University Health Science Center; Lubbock, TX.
- 1:30 The biological effects of Corynebacterium pseudotuberculosis exotoxin on gnotobiotic lambs. T.Y. HSU\*\*, H.W. RENSHAW, and C.W. LIVINGSTON, JR; Dept. of Veterinary Microbiology and Parasitology, Texas A&M University; College Station, TX.
- 1:45 Characterization of the production of the extracellular capsular polysaccharides of Klebsiella pneumoniae and their relationship to virulence. PHILIP DOMENICO\*\* and DAVID C. STRAUS; Dept. of Microbiology, Texas Tech University Health Science Center; Lubbock, TX.
- 2:00 The role of teichoic acids in Group B streptococcal disease. TIMOTHY J. NEALON\*\* and STEPHEN J. MATTINGLY; Dept. of Microbiology, University of Texas Health Science Center; San Antonio, TX.

- 2:15 COFFEE BREAK
- 2:45 An investigation of the possible types of genetic information that may code for the synthesis of Salmonella enterotoxin. CLIFFORD W. HOUSTON\*, N. CHRISTINE MOLINO, & JOHNNY W. PETERSON; Dept. of Microbiology, University of Texas Medical Branch, Galveston, TX.
- 3:00 Cell-free extracts of Salmonella inhibit protein synthesis and cause cytotoxicity in eukaryotic cells. FELIX C.W. KOO\* and JOHNNY W. PETERSON; Dept. of Microbiology, University of Texas Medical Branch; Galveston, TX.
- 3:15 Possible role of a protein synthesis inhibiting cytotoxin in the pathogenesis of salmonellosis. FELIX C.W. KOO, JOHNNY W. PETERSON\*, CLIFFORD W. HOUSTON, and N. CHRISTINA MOLINO; Dept. of Microbiology, University of Texas Medical Branch; Galveston, TX.
- 3:30 Isolation and characterization of a protein synthesis inhibiting Salmonella cytotoxin. FELIX C.W. KOO\* and JOHNNY W. PETERSON; Dept. of Microbiology, University of Texas Medical Branch; Galveston, TX.
- 3:45 Further characterization of toxins produced by Aeromonas hydrophila. CLIFFORD W. HOUSTON\*, JAMES D. CAMPBELL, and FELIX C.W. KOO; Dept. of Microbiology; University of Texas Medical Branch; Galveston, TX.
- 4:00 SESSION ENDS

FRIDAY AFTERNOON  
1 OCTOBER, 1982  
MAYAN ROOM

GENERAL MICROBIOLOGY SESSION

Convener: Dr. William C. Stevens, Abilene Christian U.

- 1:00 Longevity of Corynebacterium pseudotuberculosis outside the host.  
J.L. AUGUSTINE\*\* and H.W. RENSCHAW; Dept. of Veterinary Microbiology and Parasitology, Texas A&M University; College Station, TX.
- 1:15 Survival of Corynebacterium pseudotuberculosis in various soil types.  
J.L. AUGUSTINE\*\* and H.W. RENSCHAW; Dept. of Veterinary Microbiology and Parasitology, Texas A&M University; College Station, TX.
- 1:30 Effects of various cell culture treatments on avian Chlamydia psittaci growth.  
D.K. WINSOR\*\* and J.E. GRIMES; Dept. of Veterinary Microbiology and Parasitology, Texas A&M University; College Station, TX.
- 1:45 The life cycle of Azotobacter vinelandii in dialyzed soil medium. MASSOUDNIA ALIAKBAR\*\* and G.R. VELA; Dept. of Biological Sciences, North Texas State University, Denton, TX.

2:00 COFFEE BREAK

GENERAL MICROBIOLOGY II

- 2:30 Continuous fermentation of sugarbeet molasses to ethanol.  
DAVID B. ALEXANDER\*\* and L.P. JONES; Dept. of Biological Sciences, University of Texas at El Paso; El Paso, TX.
- 2:45 The effects of the defoliants paraquat and arsenic acid on distiller's yeast.  
HANNA L. SULLIVAN\*\* and CARYL E. HEINTZ; Dept. of Biological Sciences, Texas Tech University; Lubbock, TX.
- 3:00 Bacterial degradation of humic compounds.  
SALEH BAIU\*\* and K.R. JOHANSSON; Dept. of Biological Sciences, North Texas State; Denton, TX.
- 3:15 Detection and enumeration of metabolically active bacteria in freshwater habitats by fluorescein diacetate hydrolysis.  
THOMAS H. CHRZANOWSKI\*; Dept. of Biology, University of Texas at Arlington; Arlington, TX.
- 3:30 SESSION ENDS

FRIDAY AFTERNOON

1 OCTOBER 1982

AZTEC ROOM

4:30

Presented through the efforts of the Clinical  
Anaerobic Bacteriology Workshop:

DWAYNE SAVAGE

Dept. of Microbiology, University of Illinois  
Champagne-Urbana, Illinois.

ADHESION OF MICROORGANISMS TO  
GASTRO-INTESTINAL EPITHELIAL SURFACES



FRIDAY  
FESTIVITIES

1:30-4:30 Family Tours of Lubbock\*

6:00-8:00 BBQ Dinner\*

Ranching Heritage Center

8:00-12:00 Country Dancing

Aztec Room, South Park Inn

\* Transportation will be provided. Meet at  
the Registration Desk.

SATURDAY MORNING  
2 OCTOBER 1982  
MAYAN ROOM

GENERAL MICROBIOLOGY: VIROLOGY

Convener: Mr. Luther Winans, Hardin-Simmons Univ.

- 8:30 A host range variant of Autographa californica nuclear polyhedrosis virus: comparison of transfection efficiencies with wild type.  
W.M. CARPENTER\*\* and S.L. BILIMORIA; Dept. of Biol. Sciences, Texas Tech Univ.; Lubbock, TX.
- 8:45 Comparative growth curves of an insect picornavirus in invertebrate and mammalian cell lines.  
R.M. KRAL\*\* and S.L. BILIMORIA; Depts. of Entomology and of Biol. Sciences, Texas Tech Univ.; Lubbock, TX.
- 9:00 Development of an attached cell strain from Hink's TN-368 cell line of the cabbage looper, Trichoplusia ni.  
W.M. CARPENTER\*\* and S.L. BILIMORIA; Dept. of Biol. Sciences, Texas Tech Univ.; Lubbock, TX.
- 9:15 Effect of protein synthesis on phage P22 DNA synthesis during lysogenization.  
AGUSTIN CALDERIN\*\*, NORBERTO ADAME, JR, IRENE OLIVAREZ, and SHIN-ICHI TOKUNO; Dept. of Biology, Texas A&I University; Kingsville, TX.

9:30 COFFEE BREAK

MEDICAL MICROBIOLOGY: VIROLOGY

- 10:00 A bacteriophage associated with pathogenic isolates of Pasturella haemolytica.  
A.B. RICHARDS\*\*, L.W. SNEED, and H.W. RENSCHAW; Dept. of Vet. Micro. and Parasit., Texas A&M Univ., and of the Texas Vet. Diagnostic Lab.; College Station, TX.
- 10:15 In vitro evolution of individual drugs and combinations of 1-B-D-ribofuranosyl-1,2,4-triazole-3-carboxamide (Virozole) and 9-B-D arabinofuranosylhypoxanthine (Ara-Hx) against herpesvirus.  
LOIS B. ALLEN\*, LINDA K. VANDERSLICE, and CHRISTINA M. FINGAL; Dept. of Micro. and Immunology, Texas College of Osteopathic Medicine; Fort Worth, TX.
- 10:30 In vitro toxicity evolutions of combinations of Virozole and Ara-Hx.  
LOIS B. ALLEN\* and CHRISTINA M. FINGAL; Dept. of Micro. and Immunology, Texas College of Osteopathic Med; Fort Worth, TX.
- 10:45 Influenza infected MDCK cells: effect of Ribovirin and guanosine on nucleotide pools and RNA synthesis.  
SUSAN K. WRAY\*\*, MATTHEW NOALL, BRIAN E. GILBERT, and VERNON KNIGHT; Dept. of Micro. and Immunology, Baylor College of Med.; Houston, TX.
- 11:00 SESSION ENDS

SATURDAY MORNING  
2 OCTOBER 1982  
BRONZE ROOM

MEDICAL MICROBIOLOGY: THE IMMUNE RESPONSE II

Convener: Dr. Robert Frederich, Wm Beaumont Army Med. Ctr.

- 8:30 Efficacy of vaccinating mice with Pasturella multocida antigens and immunopotentiators.  
Y.F. CHANG\*\* and H.W. RENSHAW; Dept. of Veterinary Microbiology and Parasitology, Texas A&M University, College Station, TX.
- 8:45 IgA and S-IgA antibodies to Klebsiella pneumoniae type 1 pili in human colostrum.  
R.C. FADER\*, C.P. DAVIS, C.W. HOUSTON, E.A. WEAVER, R.M. GOLDBLUM, and A.S. GOLDMAN; Depts. of Microbiology and of Pediatrics, University of Texas Medical Branch; Galveston, TX.
- 9:00 Cell-mediated cytotoxic responses in the lungs of cotton rats infected with respiratory syncytial virus.  
CHONG-SON SUN\*\*, PHIL WYDE, and VERNON KNIGHT; Influenza Center and Dept. of Microbiology and Immunology, Baylor College of Medicine; Houston, TX.
- 9:15 Corynebacterium equi foal pneumonia: in vitro interaction of equine leukocytes, serum, and C. equi.  
N. TOBIN\*\*, H.W. RENSHAW, and R.J. MARTENS; Depts. of Veterinary Micro. and Parasit. and of Large Animal Surgery and Med.; Texas A&M Univ. College Station, TX.

- 9:30 Age-related changes in the delayed-type hyper-sensitivity response to beagle dogs to DNCB.  
D.H. WARNER\*\*, E.J. BROWDER, D.D. JOHNSON, and H.W. RENSCHAW; Dept. of Vet. Micro. and Parasit., Texas A&M University; College Station, TX.
- 9:45 COFFEE BREAK
- 10:00 Delayed-type hypersensitivity response of young adult and aged chickens to phytohemagglutinin.  
D.H. WARNER\*\*, J.L. AUGUSTINE, R.C. FANGUY, and H.W. RENSCHAW; Dept. of Vet. Micro. and Parasit., Texas A&M University; College Station, TX.
- 10:15 Delayed-type hypersensitivity responses of goats to Corynebacterium pseudotuberculosis antigens.  
T.Y. HSU\*\*, H.W. RENSCHAW, J.L. AUGUSTINE, and C.W. LIVINGSTON, JR; Dept. of Vet. Micro. and Parasit., Texas A&M University; College Station, TX.
- 10:30 Characteristics of the phagocytically-induced metabolic burst in leukocytes from young and aged beagle dogs.  
D.D. JOHNSON, E.J. BROWDER\*, D.H. WARNER, and H.W. RENSCHAW; Dept. of Vet. Micro. and Parasit., Texas A&M University, College Station, TX.
- 10:45 Canine Granulocytopeny Syndrome: neutrophil function in dogs with increased susceptibility to microbial infections.  
H.W. RENSCHAW\*, A.G. RICHARDS, and E.J. BROWDER; Dept. of Vet. Micro. and Parasit.; Texas A&M Univ.; College Station, TX.
- 11:00 SESSION ENDS

SATURDAY MORNING

2 OCTOBER 1982

AZTEC ROOM & TTUHSC

CLINICAL ANAEROBIC BACTERIOLOGY WORKSHOP

Convener: Rial D. Rolfe, Texas Tech Univ. H.S.C.

**Program**

- 8:30 Registration
- 9:00 Role of Anaerobes in Infection: Selection  
and Collection of Specimens
- 10:15 Break
- 10:30 Isolation and Identification of  
Anaerobic Bacteria
- 11:45 Discussion
- 12:00 Lunch
- 1:00 Susceptibility Testing of Anaerobic  
Bacteria
- 2:00 Identification: Rapid Methods
- 2:30 Laboratory Exercise: Identification of  
Anaerobic Bacteria
- 4:30 Discussion

The morning sessions do not require registration and are open to all who have registered for the ASM-meeting.

The afternoon sessions, held at the Texas Tech Univ. Health Science Ctr, entail laboratory work and do require registration and fees.

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SATURDAY MORNING

2 OCTOBER 1982

BRONZE ROOM

11:30 BUSINESS MEETING

Peter Diffley  
Dept. of Biological Sciences  
Texas Tech University  
Lubbock, TX 79409

Texas Branch, ASM  
Fall Meeting  
South Park Inn  
3201 South Loop 289  
Lubbock, TX 79423  
(806) 797-3241

REGISTRATION:  
30 SEPT 2-7 pm  
1 OCT 8 am-4 pm  
2 OCT 8-9 am

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