

SOUTHERN METHODIST UNIVERSITY

OFFICE OF THE PRESIDENT

DALLAS, TEXAS 75222

September 11, 1969

Mr. W.R. Long, Attorney
Law Office
The University of Texas System
P.O. Box 7727
Austin, Texas 78712

Dear Mr. Long:

This acknowledges receipt of the three negotiated instruments covering agreements between University of Texas at Dallas and Southern Methodist University as detailed in your forwarding letter of September 9.

We wish to thank you and other persons in Austin and at UTD for your understanding and efficiency in completing these agreements. We trust that they will continue to be mutually beneficial to the two institutions and that our areas of meaningful cooperation will increase.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Frank Seay".

Frank Seay
Assistant to the President

FS/jg



LAW OFFICE

THE UNIVERSITY OF TEXAS SYSTEM

P. O. BOX 7727

AUSTIN, TEXAS 78712

September 9, 1969

Mr. Frank Seay
Assistant to the President
Southern Methodist University
Dallas, Texas 75222

Dear Mr. Seay:

Enclosed you will find a fully executed copy of each of the following instruments which have been negotiated between Southern Methodist University and The University of Texas at Dallas and which are effective as of September 1, 1969:

1. Agreement for Library Services;
2. Agreement appointing faculty to SMU Department of Geological Sciences;
3. Agreement appointing faculty to the Space Sciences Center of the SMU Institute of Technology.

If I can be of any further assistance to you in this connection, please let me know.

Sincerely yours,

W. R. Long
W. R. Long

WRL:mae
Enclosures

AGREEMENT

THE STATE OF TEXAS)
)
COUNTY OF DALLAS)

This agreement entered into by and between Southern Methodist University, hereinafter called "SMU", and the Board of Regents of The University of Texas System for and on behalf of The University of Texas at Dallas, hereinafter called "UT Dallas", WITNESSETH:

WHEREAS, pursuant to the provisions of House Bill No. 303 enacted by the 61st Legislature, Regular Session, 1969, the Board of Regents of The University of Texas System is authorized and directed to establish and maintain a general academic institution to be known as The University of Texas at Dallas as a state-supported institution of higher education at a site to be selected in Dallas County, Texas, or any county adjacent thereto and to accept donations and gifts of real estate, buildings, libraries, laboratories, apparatus, equipment, records, or money for the use and benefit of such institution; and

WHEREAS, the Board of Governors of the Southwest Center for Advanced Studies, a Texas nonprofit corporation, hereinafter called "SCAS", as of September 1, 1969, will give, donate, and transfer to the Board of Regents of The University of Texas System for the purpose of establishing The University of Texas at Dallas, certain properties upon which are located the present buildings and facilities of its educational and research institution; and

WHEREAS, the Board of Regents of The University of Texas System will as of September 1, 1969, have made appointments of certain faculty, postdoctoral, administrative, and research personnel of SCAS to UT Dallas in order to effect a satisfactory transition of such faculty and personnel to The University of Texas System; and

WHEREAS, SMU and SCAS have previously entered into a cooperative agreement pertaining to advanced education and basic research in the geological sciences; and

WHEREAS, it is the desire of SMU and UT Dallas to continue such cooperative agreement for the purpose of increasing advanced degree production in the North Texas area:

NOW, THEREFORE, for and in consideration of the mutual benefits and the conditions herein contained, the parties hereby agree as follows:

1. SMU hereby agrees that the faculty of the SMU Department of Geological Sciences (including Associate Members) will continue the present program of formal courses and research which has been approved by the Graduate Faculty of the SMU School of Humanities and Sciences and which leads to the degrees of Master of Science and Doctor of Philosophy.

2. SMU will appoint as Associate Members of the graduate faculty of the SMU Department of Geological Sciences such members of the UT Dallas faculty as may be nominated by UT Dallas, approved by the Chairman of the SMU Department of Geological Sciences and the Dean of the SMU Graduate School of Humanities and Sciences, confirmed by the faculty of the SMU Graduate School of Humanities and Sciences, and approved by the SMU Board of Trustees. The faculty appointments provided herein will be for a term of one year and may be renewed annually following the same procedure. The faculty appointments provided herein will:

- a. carry the usual privileges accorded Associate Members of the SMU Graduate Faculty of Humanities and Sciences, including use of library and research facilities, the option of joining the SMU Faculty Club, and use of the University Bookstore.

- b. not be voting members of the SMU faculty of the Graduate School of Humanities and Sciences, nor will they be eligible for election to the SMU Faculty Senate. They will, however, be voting members of the graduate faculty of the SMU Department of Geological Sciences.
- c. not entitle the appointee to certain incidental privileges accorded full-time SMU faculty members. These include participation in the retirement plan, hospitalization program, life insurance program, health insurance program, accident insurance program, tuition scholarships for dependents and use of SMU Health Services and special reduced rates for athletic and recreational events.

3. Course offerings in the geological sciences by members of the UT Dallas faculty will be scheduled as required by student demand and faculty availability.

4. Degrees awarded by virtue of work done within the SMU Department of Geological Sciences will be designated as awarded by SMU in cooperation with UT Dallas, and the diploma will carry a statement to that effect.

5. SMU agrees to pay to UT Dallas for the services to be rendered by the faculty members of UT Dallas as herein provided a pro rata part of the tuition collected from each student enrolled at SMU. Of the tuition collected for each student semester hour taught by UT Dallas faculty members, SMU will retain 33% thereof to cover the overhead costs of SMU and SMU will remit to UT Dallas the remaining 67% thereof. The rate of reimbursement provided herein will be subject to annual review and adjustment. It is agreed and understood by SMU that where UT Dallas is the originating institution for TAGER TV courses listed in the SMU catalog, UT Dallas will be reimbursed by TAGER for its share of the TV surcharge paid by industry.

7. This agreement shall be for a period of one year commencing on September 1, 1969, and ending on August 31, 1970, and shall continue from year to year thereafter unless sooner terminated by either party upon written notice to the other party at least six months in advance of any anniversary date of this agreement.

ATTEST:

By Willis M. Tate, President

ATTEST:

By Frank C. Erwin, Jr.
Frank C. Erwin, Jr.
Chairman

J. R. Long
University Attorney

Joe J. McKeeth
Executive Vice-Chancellor for
Academic Affairs

AGREEMENT

THE STATE OF TEXAS)
 (
COUNTY OF DALLAS)

This agreement entered into by and between Southern Methodist University, hereinafter called "SMU", and the Board of Regents of The University of Texas System for and on behalf of The University of Texas at Dallas, hereinafter called "UT Dallas", WITNESSETH:

WHEREAS, pursuant to the provisions of House Bill No. 303 enacted by the 61st Legislature, Regular Session, 1969, the Board of Regents of The University of Texas System is authorized and directed to establish and maintain a general academic institution to be known as The University of Texas at Dallas as a state-supported institution of higher education at a site to be selected in Dallas County, Texas, or any county adjacent thereto and to accept donations and gifts of real estate, buildings, libraries, laboratories, apparatus, equipment, records, or money for the use and benefit of such institution; and

WHEREAS, the Board of Governors of the Southwest Center for Advanced Studies, a Texas nonprofit corporation, hereinafter called "SCAS", as of September 1, 1969, will give, donate, and transfer to the Board of Regents of The University of Texas System for the purpose of establishing The University of Texas at Dallas, certain properties upon which are located the present buildings and facilities of its educational and research institution; and

WHEREAS, the Board of Regents of The University of Texas System will as of September 1, 1969, have made appointments of certain faculty, postdoctoral, administrative, and research personnel of SCAS to UT Dallas in order to effect a satisfactory transition of such faculty and personnel to The University of Texas System; and

WHEREAS, SMU and SCAS have previously entered into a cooperative agreement pertaining to engineering and science programs in the Space Science Center of the SMU Institute of Technology; and

WHEREAS, it is the desire of SMU and UT Dallas to continue such cooperative agreement for the purpose of increasing advanced degree production in the North Texas area:

NOW, THEREFORE, for and in consideration of the mutual benefits and the conditions herein contained, the parties hereby agree as follows:

1. SMU will continue the Space Science Center as an administrative unit within the SMU Institute of Technology.

2. SMU will appoint to the Space Science Center, as faculty members in the SMU Institute of Technology, such members of the UT Dallas faculty as may be nominated by UT Dallas and approved by SMU in accordance with the policies and evaluative procedures applied for all faculty members in the Institute.

The faculty appointments provided herein will:

- a. carry full voting rights in the Institute Faculty Council of the SMU Institute of Technology.
- b. not carry tenure at SMU and such appointees are not voting members of the SMU faculty nor are they eligible for election to the SMU Faculty Senate.
- c. not entitle the appointee to certain incidental privileges accorded other SMU faculty members. These include participation in the retirement plan, hospitalization program, life insurance program, health insurance program, accident insurance program, tuition scholarships for dependents, use of SMU Health Services, special reduced rates for athletic and recreational events.

d. carry the privilege of joining the Faculty Club, of using university faculty recreational facilities and of using the University Bookstore.

3. The existing academic policies, procedures and standards now in effect in the SMU Institute of Technology, as set forth in the 1968 Bulletin and in the manual "Organization and Administration of the Institute of Technology", will apply to the Space Sciences Center and its operations except as they might be changed in the future by the Institute Faculty Council.

4. The Space Sciences Center will offer a group of courses, approved by the usual procedure in the Institute, and these will be listed in the Bulletin of the Institute as regular offerings of the SMU Institute of Technology. The administration of the SMU Institute of Technology will work closely with the Space Sciences Center to develop appropriate advertising literature and to aid in its appropriate circulation.

5. The Space Sciences Center will offer two courses, one each semester in the 1969-70 academic year. These may be offered over the TAGER TV system. In years subsequent to 1969-70, course offerings by the Space Sciences Center will be scheduled as required by student demand, faculty availability, and in accordance with procedures governing other centers in the SMU Institute of Technology. The description of the Space Sciences Center and its initial menu of courses, as it will be published in the 1968 Bulletin of the SMU Institute of Technology, is given in Exhibit A which is attached hereto and made a part hereof. This will be subject to revision in future years by the same process as followed by other centers in the Institute.

6. Degrees awarded by virtue of work done within the Space Sciences Center will be designated as awarded by SMU in cooperation with UT Dallas upon recommendation of the faculty

of the joint program sponsored by these two institutions, and the diploma will include a statement to that effect.

7. SMU agrees to pay to UT Dallas for the services to be rendered by the faculty members of UT Dallas as herein provided a pro rata part of the tuition collected from each student enrolled at SMU. Of the tuition collected for each student semester hour taught by UT Dallas faculty members, SMU will retain 33% thereof to cover the overhead costs of SMU and SMU will remit to UT Dallas the remaining 67% thereof. The rate of reimbursement provided herein will be subject to annual review and adjustment. It is agreed and understood by SMU that where UT Dallas is the originating institution for TAGER TV courses listed in the SMU catalog, UT Dallas will be reimbursed by TAGER for its share of the TV surcharge paid by industry.

8. This agreement may be amended from time to time at the request of either party and with the consent of the other party.

9. This agreement shall be for a period of one year commencing on September 1, 1969, and ending on August 31, 1970, and shall continue from year to year thereafter unless sooner terminated by either party upon written notice to the other party at least six months in advance of any anniversary date of this agreement.

IN WITNESS WHEREOF, the parties have executed this agreement as of September 1, 1969.

ATTEST:

Secretary

SOUTHERN METHODIST UNIVERSITY

By Willis M. Tate
Willis M. Tate, President

ATTEST:

Billy Gene Threlk
Secretary

BOARD OF REGENTS OF THE
UNIVERSITY OF TEXAS SYSTEM

By Frank C. Erwin, Jr.
Chairman

Approved as to Form:

H. R. Lewis
University Attorney

Approved as to Content:

John McElvett
Executive Vice-Chancellor for
Academic Affairs



To Mr. Long

OFFICE OF THE CHANCELLOR

THE UNIVERSITY OF TEXAS SYSTEM
AUSTIN, TEXAS 78712

August 28, 1969

MEMORANDUM

TO: Mr. W. Robert Long
VIA: Dr. Charles A. LeMaistre
FROM: Kenneth H. Ashworth *KHA*
SUBJECT: SMU Contract with UT Dallas for Library Services

The Agreement prepared in our Law Office has been rewritten by SMU and executed copies have been delivered to us. The major substantive change from the Agreement as tendered by us relates to the portion of the \$35,000 service fee to be applied to library acquisitions. Our requirement was that at least \$10,000 be used for this purpose, whereas the SMU executed contract provides that the portion spent for acquisitions must equal at least the amount spent for that purpose last year (\$5,000) but in no case will exceed \$10,000. E. D. Walker and I both object to this change, which in effect provides an additional \$5,000 to SMU for this service over last year's contract with SCAS. The additional \$5,000 will, in effect, be available to SMU for general library support without any guarantee that it will be spent for acquisitions.

It is important to note that the Agreement is consistent with Chairman Erwin's desire for a provision for termination. The Agreement as executed authorizes termination at any time upon mutual agreement and the settlement of outstanding accounts.

In view of the time element involved, the temporary nature of this library service for UT Dallas, and our inability to document figures on library services for further negotiation, I recommend that the Agreement as executed and offered to us by SMU be accepted by the UT System. If you concur, please so indicate on this memorandum and forward it to Bob Long, who will prepare the execution copies for signature on behalf of the UT System.

KHA:nn
cc: Mr. E. D. Walker
Mr. Graves Landrum
Mr. Bob Long

Concur
Call
OK JGM.

SOUTHERN METHODIST UNIVERSITY

DALLAS, TEXAS 75222

August 26, 1969

CHANCELLOR'S OFFICE U. of T.

Acknowledged..... File.....

TELEPHONE
214-363-4651

LeVAN GRIFFIS
VICE PROVOST
AND

DIRECTOR, GRANTS AND CONTRACT SERVICES

REC'D AUG 27 1969

To.....For Info and Return
To..... Please Advise Me
To..... Please Handle

Dr. Kenneth H. Ashworth
Office of the Chancellor
The University of Texas System
Austin, Texas 78712

Dear Dr. Ashworth:

Thank you very much for transmitting on August 21 a draft of an agreement between SMU and UTD for furnishing library services to UTD during the period September 1969-August 1970. That document represents considerable progress toward simplifying and clarifying the early version which we discussed on August 14, and your efforts therein are sincerely appreciated.

We are aware of the urgency to expedite a contract around our final understanding. At the same time SMU is desirous of deleting irrelevant material, as well as defining a few remaining conditions necessary for a clear agreement. I have, therefore, arranged with our counsel to prepare copies of a contract document for execution representing our mutual commitments which we understand to be desired, and which will serve the intended purposes.

Two signature copies are enclosed, as well as five information copies for use within your organization. Upon the return to this office of one original copy properly executed for the University of Texas, I believe we shall have concluded the preliminaries and will then be prepared to render service to UTD as requested.

Cordially yours,


LeVan Griffis

LVG:rh

Enclosures

A G R E E M E N T

THE STATE OF TEXAS)
)
COUNTY OF DALLAS)

THIS AGREEMENT entered into by and between SOUTHERN METHODIST UNIVERSITY, hereinafter called "SMU", and the BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM FOR AND ON BEHALF OF THE UNIVERSITY OF TEXAS AT DALLAS, hereinafter called "UTD".

WITNESSETH:

WHEREAS, pursuant to the provisions of House Bill No. 303 enacted by the 61st Legislature, Regular Session 1969, the Board of Regents of The University of Texas System is authorized and directed to establish and maintain a general academic institution to be known as The University of Texas at Dallas as a state-supported institution of higher education at a site to be selected in Dallas County, Texas, or any county adjacent thereto; and

WHEREAS, SMU and the Southwest Center for Advanced Studies, hereinafter known as "SCAS", have previously entered into an agreement whereby SMU has provided library services and the use of its library resources for the benefit of research and staff personnel of SCAS, at the premises of SCAS or at the SMU library; and

WHEREAS, UTD will acquire or has acquired SCAS; and

WHEREAS, it is the desire of UTD to continue such cooperative relationship at the working level in the area of library services;

NOW, THEREFORE, for and in consideration of the fixed price of THIRTY-FIVE THOUSAND DOLLARS (\$35,000), to be paid as set out in paragraph 1 hereof, and the mutual benefits and conditions herein contained, the parties hereby agree as follows:

1.

UTD agrees to pay to SMU the fixed sum of Thirty-five Thousand Dollars (\$35,000) for the period September 1, 1969, through August 31, 1970, with the understanding that the level of services to be provided during this period will be substantially the same as the previous year ending August 31, 1969, as is more fully set out in paragraphs 2 and 3, hereof. The sum of \$35,000 shall be paid in semi-annual payments of Seventeen Thousand Five Hundred Dollars (\$17,500) each on September 1, 1969, and on March 1, 1970, respectively, such payments to be made to SMU in consideration of its rendition of services and the furnishing of material under this Agreement.

2.

SMU agrees to provide to UTD the following services which are normally available to SMU faculty members:

2.1 Access to information contained in SMU collections in the fields of science, engineering, mathematics, and other fields, as needed.

2.2 Services of a staff of professionally trained and experienced librarians who have a service-oriented outlook and are familiar with the collection.

2.3 Services of a photolab.

2.4 Access to machines for reading roll microfilm, microfiche, and microcards.

2.5 In lieu of issuing library cards, the SMU library staff at all SMU libraries will require UTD users to identify themselves. Users will be checked against a current authorized list supplied by UTD.

2.6 UTD users will abide by all SMU Library regulations.

3.

SMU agrees to provide the following services to UTD:

3.1 The services of a professional SMU employed librarian, to be assigned the duties of UTD Reference Librarian, who will devote full time to UTD needs. SMU will furnish to this librarian a private office, furnishings, and the privilege to call upon any Science Library Staff member for service and/or assistance relating to UTD requests.

3.2 SMU will lend UTD books and documents from the SMU circulating collection for a period of three weeks. Loans of journals will be for one week. Books and journals may be renewed if there have been no requests for them. If SMU staff, faculty, or students have had Science Library material for three weeks or longer, and this material is requested by UTD, they will be required to return said material for a three-week period with the understanding that they may have it again when the three-week loan period (or one week in the case of journals) to UTD has passed.

3.3 When request is made for journal articles which involve ten pages or less, SMU may supply a photocopy in lieu of a loan.

3.4 Requested materials not in the Science Library collection will be borrowed, when available, from other sources.

3.5 Call service to the Science Library Reference Department will be provided, preferably through the UTD Reference Librarian, for information which can be located fairly quickly within Science Library holdings.

3.6 Fifty (50) copies of a monthly information bulletin for UTD use will be provided.

3.7 UTD will assume the financial responsibility for the loss, destruction and/or damage done to books and journals borrowed by UTD personnel or persons authorized by UTD to use such material. In the event that any such material is lost, destroyed or damaged, then such material shall be replaced or repaired at the sole expense of UTD. The determination of when material is lost or destroyed shall be made exclusively by SMU; and the determination of when damaged material is repairable shall be made exclusively by SMU. In the event of the loss, destruction, and/or irreparable damage to material, the amount to be paid shall be the replacement cost of such material by SMU, including, but not limited to, expenses reasonably incurred in making such replacement. In the event of the damage of material which is repairable, the amount to be paid shall be the cost of repairs, including, but not limited to, any and all reasonable expenses incurred in making such repairs to such material.

3.8 Acquisitions of books, journals and materials covered by this Agreement shall be made by the SMU Science Librarian upon recommendation of the Reference Librarian of UTD. Such acquisitions may be in an amount not less than the amount spent for acquisitions in the previous year ending August 31, 1969, but shall in no event exceed the amount of \$10,000.

4.

This Agreement may be amended or terminated at any time upon the mutual agreement of the parties hereto; provided, however, that any and all sums of money theretofore paid by UTD to SMU shall be

retained without right of reimbursement or accounting. In the event that SMU has made acquisitions of material pursuant to requests of UTD in excess of the amount theretofore paid (based upon cost of acquisitions), then UTD shall pay to SMU the difference between amounts actually paid and the costs of the acquisitions in order to reimburse SMU in full for such costs.

5.

This Agreement shall be in effect for a period of one year commencing on September 1, 1969, and ending on August 31, 1970.

EXECUTED IN DUPLICATE ORIGINALS on the dates listed below.

SOUTHERN METHODIST UNIVERSITY

By Willis M. Tate
Willis M. Tate, President

ATTEST:

Frank G. Davis
Secretary

Date: August 25, 1969

APPROVED AS TO FORM:

Paul S. Adams
University Counsel

APPROVED AS TO CONTENT:

L. Van Effer
Vice Provost and
University Contractor

"SMU"

BOARD OF REGENTS OF THE UNIVERSITY
OF TEXAS SYSTEM FOR THE USE AND
BENEFIT OF THE UNIVERSITY OF TEXAS
AT DALLAS

By Frank C. Erwin, Jr.
Frank C. Erwin, Jr., Chairman

ATTEST:

William H. Hefner
Secretary

Date: _____

APPROVED AS TO FORM:

H. A. Long
University Attorney

APPROVED AS TO CONTENT:

John J. McFetta
Executive Vice-Chancellor
for Academic Affairs

"UTD"



OFFICE OF THE CHANCELLOR

THE UNIVERSITY OF TEXAS SYSTEM

AUSTIN, TEXAS 78712

August 28, 1969

MEMORANDUM

TO: Mr. W. Robert Long
VIA: Dr. Charles A. LeMaistre
FROM: Kenneth H. Ashworth
SUBJECT: SMU Contract with UT Dallas for Library Services

The Agreement prepared in our Law Office has been rewritten by SMU and executed copies have been delivered to us. The major substantive change from the Agreement as tendered by us relates to the portion of the \$35,000 service fee to be applied to library acquisitions. Our requirement was that at least \$10,000 be used for this purpose, whereas the SMU executed contract provides that the portion spent for acquisitions must equal at least the amount spent for that purpose last year (\$5,000) but in no case will exceed \$10,000. E. D. Walker and I both object to this change, which in effect provides an additional \$5,000 to SMU for this service over last year's contract with SCAS. The additional \$5,000 will, in effect, be available to SMU for general library support without any guarantee that it will be spent for acquisitions.

It is important to note that the Agreement is consistent with Chairman Erwin's desire for a provision for termination. The Agreement as executed authorizes termination at any time upon mutual agreement and the settlement of outstanding accounts.

In view of the time element involved, the temporary nature of this library service for UT Dallas, and our inability to document figures on library services for further negotiation, I recommend that the Agreement as executed and offered to us by SMU be accepted by the UT System. If you concur, please so indicate on this memorandum and forward it to Bob Long, who will prepare the execution copies for signature on behalf of the UT System.

KHA:nn

cc: → Mr. E. D. Walker
Mr. Graves Landrum
Mr. Bob Long



LAW OFFICE

THE UNIVERSITY OF TEXAS SYSTEM

P. O. BOX 7727

AUSTIN, TEXAS 78712

August 27, 1969

Mr. Frank Seay
Assistant to the President
Southern Methodist University
Dallas, Texas 75222

Dear Mr. Seay:

In connection with the negotiations between The University of Texas at Dallas and Southern Methodist University for the appointment of faculty members to the Southern Methodist University Department of Geological Sciences and the Space Sciences Center of the Southern Methodist University Institute of Technology, enclosed you will find two copies of each agreement to be executed by Dr. Willis M. Tate. I am also enclosing two extra copies of each agreement for use within your organization.

Upon the return to this office of two executed copies of each agreement, I will obtain the execution of the same by the Chairman of the Board of Regents and will return one executed original for your files.

Thank you very much for your cooperation with me in this matter.

Sincerely yours,

W. R. Long
University Attorney

WRL:lj
Enclosure

cc: Mr. Ralph Stohl
Mr. Graves W. Landrum
Dr. Kenneth Ashworth



OFFICE OF THE CHANCELLOR
THE UNIVERSITY OF TEXAS SYSTEM
AUSTIN, TEXAS 78712

August 15, 1969

MEMORANDUM

TO: Mr. W. Robert Long
FROM: Ken Ashworth *Ken*
SUBJECT: Agreements Between UT Dallas and SMU on the
Space Science Center and the Department of
Geological Sciences

On August 14 Dr. Francis S. Johnson, Ralph Stohl, and I met with Tom Martin, James Brooks, and Frank Seay at SMU concerning these two agreements. Everyone agreed that the Agreements were excellent with the exception of the sections concerning the transfer of funds. Johnson, Martin, and Brooks agreed that the programs are so new that it is not possible to estimate the number of students to be enrolled under each program and the tuition to be collected in order to "back into" a firm figure to be entered in the agreement. The programs were publicized only last year and past experience is no basis for making an estimate of enrollment for the coming year. In addition, there has been a considerable drop in graduate enrollment in engineering nationally, and SMU feels that there may be some impact in enrollments at SMU this coming year. They point out as well that a set figure kills incentive to recruit students for the programs.

Therefore, they find it impractical to provide a firm figure to be inserted in Paragraph 5 of the Geological Sciences Agreement and Paragraph 7 of the Space Sciences Agreement. They would prefer to see these sections rewritten to provide for a remission of a prorated portion of the tuition collected. On August 15 I discussed this proposed change with E. D. Walker, and he agreed that this would be a satisfactory approach.

In addition, it was agreed that there should be included in these sections of the two agreements a statement that any surcharge collected by TAGER on students in these programs for courses originating at UT Dallas would belong to UT Dallas. Ralph Stohl promises to provide me with suggested language to clarify this point. I will provide you with this language as soon as he calls it to me.

attached

cc: Dr. LeMaistre, Mr. Walker, Mr. Landrum

SUGGESTED ADDITION TO UT DALLAS-SMU AGREEMENT
ON GEOSCIENCES AND SPACE SCIENCES

* It is agreed and understood by SMU that where UT Dallas is the originating institution for TAGER TV courses listed in the SMU catalog, UT Dallas will be reimbursed by TAGER for its share of the TV surcharge paid by industry.

August 14, 1969

Mr. Ken Ashworth

W. R. Long

Revised Agreements with SMU

Attached you will find copies of the drafts of the following agreements between SMU and UT Dallas:

1. SMU Institute of Technology;
2. SMU Department of Geological Sciences;
3. Agreement providing for library services.

W. R. Long

WRL:mae
Enclosures

SOUTHWEST CENTER FOR ADVANCED STUDIES

POST OFFICE BOX 30365

DALLAS, TEXAS 75230

(214) ADAMS 1-1471

August 13, 1969

Mr. R. W. Long, III
Attorney
University of Texas
P. O. Box 7727
Austin, Texas 78712

Dear Bob:

Enclosed is copy of my letter of August 6, 1969 to Sol Goodell which lists Center faculty affiliations with other academic institutions at June 30, 1969.

If I can be of further assistance, please let me know.

Sincerely,



Ralph N. Stohl
Vice President

cc: Sol Goodell

Attachment

SOUTHWEST CENTER FOR ADVANCED STUDIES

POST OFFICE BOX 30365
DALLAS, TEXAS 75230

(214) ADAMS 1-1471

August 6, 1969

Mr. Sol Goodell
Thompson, Knight, Simmons & Bullion
Republic National Bank Building
Dallas, Texas 75201

Dear Sol:

As you requested, I am attaching a copy of a listing of SCAS faculty affiliations with other academic institutions as of June 30, 1969.

Southern Methodist University

Of the nine faculty members listed, five are Geosciences faculty members who hold adjunct appointments in accordance with the agreement between SMU and SCAS on the Geology and Geophysics Program. (You have this agreement).

The following four adjunct appointments are outside the agreement mentioned above:

Dr. Wolfgang Rindler (Mathematics & Mathematical Physics).
Dr. Rindler taught a course in "Selected Topics in Applied Mathematics" last year, which has been reimbursed by TAGER.

Dr. Richard Hodges (Division of Atmospheric and Space Sciences) taught a course on TAGER in "Electromagnetic Theory" last year, which has been reimbursed.

Dr. James Midgley (Division of Atmospheric and Space Sciences) taught a course at SMU on "Space and Environment" last year, which has been reimbursed.

Dr. Daniel Harris (Biology) taught a Biology course on TAGER TV, and accordingly was given adjunct appointment a couple of years ago.

During the forthcoming Fall semester, the following faculty members will be involved in teaching courses:

Dr. Richard Hodges - TAGER course for SMU (Fall)
Dr. T. N. L. Patterson, TAGER course for SMU (Spring)
Dr. James Midgley - TAGER course for SMU (Fall/Spring)

SMU Institute of Technology

The 11 faculty members listed hold adjunct appointments in accordance with the agreement between that Institute and SCAS. (You have this agreement).

In addition, Dr. Brian Tinsley (Division of Atmospheric and Space Sciences) will teach a course on TACER for the Institute of Technology for the Fall semester.

Southwestern Medical School

Dr. Chaim Richman (Pion Dosimetry) was given adjunct appointment several years ago which has never been cancelled. He has not actively taught any courses but did supervise the thesis work of one graduate student, Dr. Aceto, who was awarded his Ph. D. from SWMS in 1964.

The listing of five faculty members in Biology at Southwestern Medical School resulted from a Biology offering of a graduate course in which most of the faculty were involved. Drs. Jagger and Rupert anticipated teaching a course in Radiological Physics but were not able to recruit enough students to support the effort. These appointments have never been cancelled but nothing involving teaching is in the mill at present.

North Texas State University

Dr. Carl Collins recruited five students for enrollment in North Texas in order that they could do their doctoral work at the Center. In the Spring of 1969, Dr. Connell of NTSU called Dr. Francis Johnson to ask permission to offer Drs. Collins, Heikkila, Bukata, Hanson and Hurt adjunct appointments. In Dr. Johnson's absence, Dr. Hanson responded orally giving the names of the faculty. Nothing has ever been formalized. The students are in residence at the Center, but faculty are not teaching formal courses and there is no exchange of funding on behalf of SCAS.

Texas A & M

Although the appointments listed for the five Geosciences faculty members were made and are still a matter of record, there has been no interchange of course work and no exchange of funding. Attached is our exchange of letters. Nothing ever developed here.

Texas Christian University

Drs. Harris and Ozsvath hold adjunct appointments for their teaching TAGER courses, but at the present time they are not teaching nor is there anticipation.

Dr. Wolfgang Rindler will probably be given adjunct appointment since he will be teaching a TAGER course for TCU for Fall/Spring semester.

As we have discussed, apart from the two agreements between SCAS and SMU on (1) Space Sciences and (2) Geology and Geophysics, all appointments to adjunct positions were made to facilitate teaching when and if needed, and they are not considered binding to U. T. Dallas, nor do they involve a financial commitment on the part of the University.

I trust the above information will be useful to you.

Sincerely,

R. N. Stohl
Vice President

SCAS Faculty Affiliations with Other Academic Institutions

(June 30, 1969)

Southern Methodist University

Rindler	(M&MP)
Hodges	(DASS)
Midgley	(DASS)
Harris	(Biology)
Hales	(Geosciences)
Helsley	(Geosciences)
Landisman	(Geosciences)
MacGregor	(Geosciences)
Pessagno	(Geosciences)

SMU Institute of Technology

Collins	(DASS)
Hanson	"
Heikkila	"
Hodges	"
Hoffman	"
Hurt	" "
Johnson	"
Midgley	"
Palmeira	"
Patterson	"
Tinsley	"

Southwestern Medical School

Richman	(Pion Dosimetry)
Bauerle	(Biology)
Bujard	(Biology)
Clowes	(Biology)
Jagger	(Biology)
Rupert	(Biology)

North Texas State University

Bukata*	(DASS)
Collins*	(DASS)
Hanson*	(DASS)
Heikkila*	(DASS)
Hurt*	(DASS)

Texas A & M

Hales	(Geosciences)
Halpern	"
Helsley	"
Landisman	"
MacGregor	"
Presnall	"
Riley	"

Texas Christian University

Ozsvath	(M&MP)
Harris	(Biology)

*Adjunct Appointments Pending

27 Individuals

40 Appointments



see page 4

THE UNIVERSITY OF TEXAS SYSTEM
OFFICE OF THE COMPTROLLER
AUSTIN, TEXAS 78712

MEMORANDUM

July 11, 1969

To: Mr. R. L. Anderson
From: G. L. Hammon, System Coordinator of Data Processing
Subject: REPORT ON VISIT TO THE SOUTHWEST CENTER FOR ADVANCED
STUDIES ON JULY 1, 1969

I met with Messrs. Stohl, Peavy, Donaldson and Carpenter at 0800 hours on July 1, 1969 at the Southwest Center for Advanced Studies. This was my initial contact with the institution. Mr. Robert Jones, Manager, Business Data Processing, was on vacation, and I plan to meet with him on my next trip.

We discussed the following items:

1. The function of the Office of the Comptroller in the computer area.
2. My responsibilities and duties.
3. A brief review of the System-wide computer installations.
4. Review of functions of Mr. Mooney, the Governor, and the State Board of Control in the computer area.
5. Effect of changing IBM Pricing Policy. Mr. Donaldson said he was still studying the announcement, but it appeared that they would need to add two or three more Systems Programmers.
6. Our ADP Equipment Inventory and its usefulness. Explained Mr. Mooney's interest.
7. Preparation of monthly computer utilization report. To send copy of U. T. Austin's latest for their review.

8. The possibilities for establishing the Computer Center as a Service Department and Revolving Fund as of September 1, 1969. This is in effect the way they currently operate, and it would ease some of the burdens of being a State Agency.

Messrs. Peavy, Donaldson and Carpenter escorted me on a tour of the Computer Center. They have nice quarters in the basement of the Founder's Building, but are beginning to be crowded. We did not discuss the future planning for additional space.

After lunch, Messrs. Donaldson, Carpenter and I went to their office to discuss more of the details of the operation of the Computer Center. The afternoon was spent covering the following:

1. The organizational structure of the Center was outlined. A copy of the rough pencil chart is attached. Mr. Donaldson pointed out the open management positions in his department. If it functions as they say, it appears to be well-organized.
2. The only lease agreements, other than the standard IBM form, is for the Calcomp plotters. They are to send me copies.
3. The Job Descriptions for the Center are in the process of being re-done. I mentioned the help available from Mr. J. C. Kennedy and the need to mesh titles on 9-1-69. Mr. Donaldson is apparently aware of the requirements in this area.
4. The question of equipment utilization was discussed. The figures for June 1969, per Mr. Carpenter, are 265 clocked meter hours, with 220 hours billed at full price and remainder at a special rate for various reasons. They have operating time for new or expanded applications, and they may have more time once the Large Core Storage (LCS) is installed. They are also changing operating systems from MFT-II and HASP II to MVT and HASP II. This might provide for a reduction in the number of hours shown.
5. The operating philosophy of the Computer Center is interesting. Mr. Donaldson has the doors open 24 hours per day, five days per week. The workload does not demand this schedule, but he feels that a "user" should be able to utilize the computer when he wants to do so. Therefore, he arranges to schedule his long plot runs for the second and third shifts. If a "user" happens to come by and wants to use the equipment, it can be handled. If

July 11, 1969

there is no work for a shift, the operator is still on-duty for the "drop-in user". Mr. Donaldson feels this helps build-up his "user pool", which in turn pays the bills. A study of the past history would show if the policy was effective, but I did not suggest it. I feel the basic idea behind the schedule is good, but the results should be evaluated.

6. The formal contracts for the Center are with Mobil Oil, Varo and Region X Educational Service Center. Mr. Donaldson bills each user for services rendered, at the established rate. He said the usage fluctuates and cannot be counted upon for support of the Center in the long run. Mr. Carpenter is to send me copies of the contracts.
7. Mr. Carpenter estimated they have letter agreements with 12-20 small users around the Dallas area. He is suppose to give me copies of all agreements.
8. I mentioned that the usage of the 360/50 outlined in Items 6 and 7 above was not in accord with the IBM Educational Allowance Agreement. Messrs. Donaldson and Carpenter agreed and indicated IBM was not aware of the situation.
9. The usage breakdown from Mr. Carpenter is as follows:

Grants and Contracts	85%
SCAS Administration	5%
External	10%
10. The \$175.00 per hour rate for the 360/50 was calculated by dividing costs by the estimated number of hours available for use. I ask for a copy of the analysis and they indicated there was not much to it. I did not press it. Mr. Donaldson explained they were planning on performing a new study because of the impending equipment upgrade. They did not know the status of the Federal audit of the rate computation.
11. The scientific type programs are written in PL-1 and the business applications in COBOL. The former uses the "Comments" card in each program to facilitate program documentation. The answers to my questions indicate that this is the extent of the documentation. Mr. Donaldson would like to convert the business applications to PL-1 because of his experience. Since Mr. Jones was on vacation, I do not know the status of the business applications.

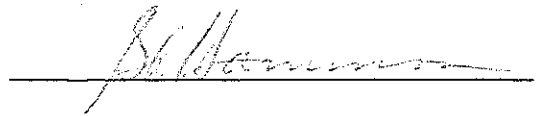
July 11, 1969

12. There are some problems of coordination between the Computer Center and the Business Data Processing people. The former changes the Operating System level and the latter's programs will not run. Better communication might solve part of the problem. Mr. Donaldson would like to have the Business Data Processing group work for him, and it might be feasible.
13. The users of the Center deposit the programs, tapes and running instructions at a control desk. This person is responsible for routing the material to the computer operators and returning the completed work to the user. This position is suppose to control all the input so that nothing is lost or overlooked for a period of time. It is working satisfactorily according to Mr. Donaldson.
14. The Computer Center is currently working on a data link to TCU and Austin College via micro-wave. TCU will use a 360/20 and Austin College an 1130 for terminals hooked to the SCAS 360/50.
15. The Center pays the salary for programmers not assigned to individual grants or contracts. A researcher requests assistance from Mr. Donaldson, and a programmer is assigned for the time requested.

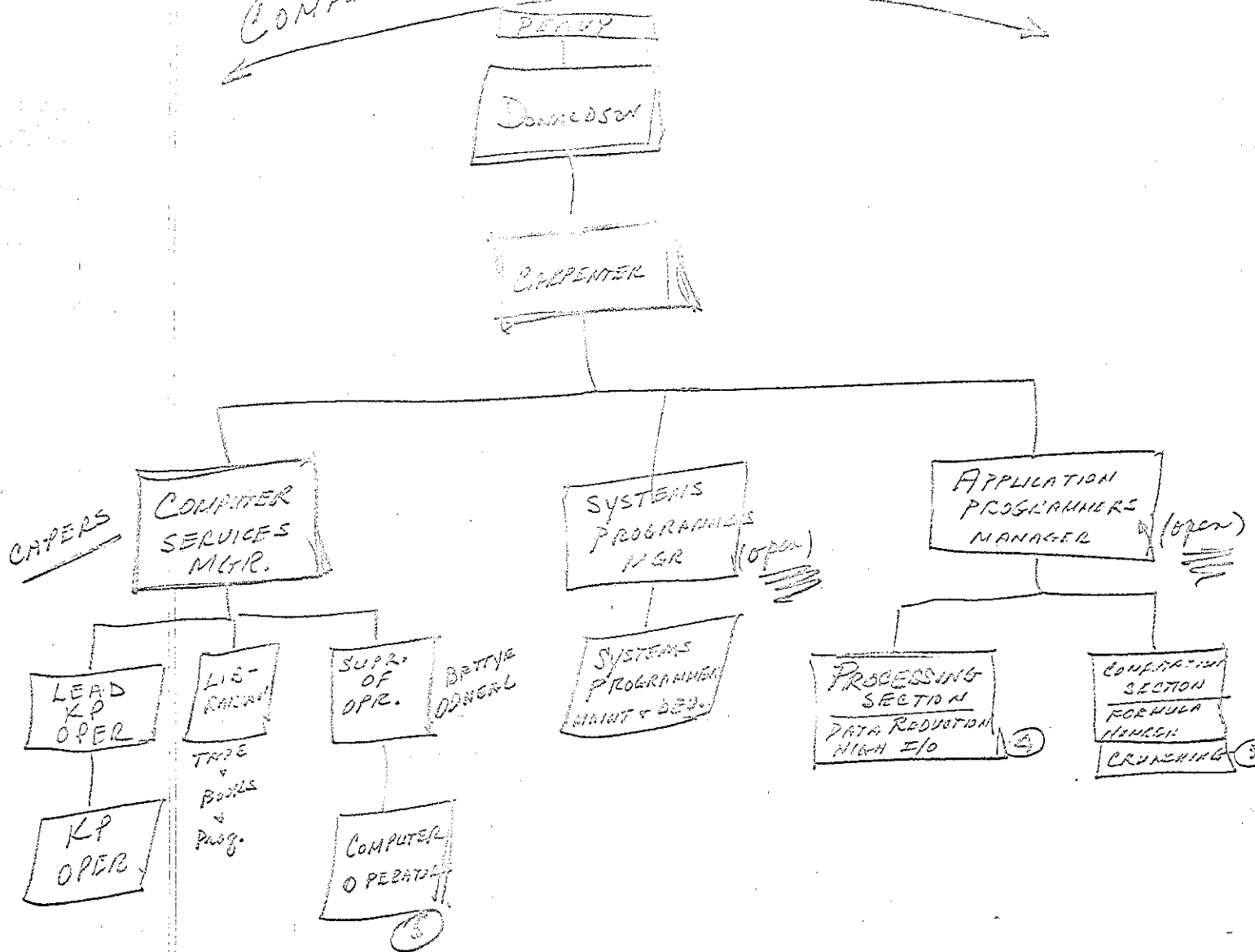
My overall impression is that Messrs: Donaldson and Carpenter are very capable individuals, and apparently operate a capable shop. They have a powerful machine and should be able to perform a large amount of work. I suggest they should be able to perform the scientific-type computing for all our North Texas institutions, and do it very efficiently.

In summary, I feel that the Computer Center at SCAS should not present problems to the U. T. System, unless the funding is changed or they experience changes in personnel. Hopefully, these problems will not occur before we have time to learn more of the operation.

GLH:mw



COMPUTER CENTER ORGANIZATION CHART



The business programmers work
for _____ in the Business Office.

7-25-69

From the desk of:

~ RALPH N. STOHL

Mr. Long - This is the updated
Library Agreement, which supersedes
the earlier version I gave Mr. Landrum.
Would you substitute this version for
the one I gave him?

Charlotte

OCT 22 1968

SOUTHERN METHODIST UNIVERSITY

DALLAS, TEXAS 75222

October 18, 1968

LeVAN GRIFFIS
VICE PROVOST

TELEPHONE
214-363-4651

AND

DIRECTOR, GRANTS AND CONTRACT SERVICES

Mr. Ralph Stohl
Southwest Center for Advanced Studies
P. O. Box 30365
Dallas, Texas 75230

Dear Ralph:

Enclosed is a fully executed copy of the revised agreement between SMU and SCAS, as discussed in your letter of October 7.

I note that the revised Appendix, "Operating Budget," as approved by you and attached to the Agreement, carried the dates July 1, 1968-June 30, 1969. Consistent with our earlier discussions, I have changed this to read "September 1, 1968-August 31, 1969." If this is not what was intended, please let me know.

To distinguish this final agreement from all earlier documents and partial documents prepared during our review, I have identified each page in the upper corner as "Final 9/1/68." ←

By memo to our Contract and Accounting Office, copy enclosed, I have carried out your requests that we formalize our billing and reporting to SCAS on a quarterly basis and in a format to be most useful to SCAS. I shall follow up with you personally to see that this plan is properly implemented. In order to achieve a quarterly schedule, we plan to close out previous operations with a report and billing as of August 31, 1968, under the old agreement; next, initiate a one-month report and billing as of September 30, 1968; thenceforward, quarterly reports and billings beginning on December 31, 1968.

If there are any questions, please do not hesitate to call me or Mr. Truman F. Cook, in our Contract and Grant Office.

With best personal regards.

Very truly yours,



LeVan Griffis

LVG:rh

Enclosure

cc: Mr. T. F. Cook

cc: *Long*
Locke

Southern Methodist University

INTER-OFFICE CORRESPONDENCE

TO: T. F. Cook/O. G. Folsom

DATE October 2, 1968

FROM: LeVan Griffis

SUBJECT: SCAS Contract - Library Services from SMU to SCAS

This executed document becomes effective 9/1/68, and represents an updating of the original agreement initiated in 1964.

For the record, I have summarized on the attached page SMU's position and final decision with respect to the amount of the annual User's Fee paid by SCAS.

This contract and the corresponding budget will be reviewed for acceptance covering the next year, September 1969-August 1970.

By copy of this memo, I am informing Mr. Ralph Stohl at SCAS that your office will close out, as of August 31, 1968, the accounts under the procedures appropriate to the earlier contract, and establish new accounts, new billing procedures, and periodic reporting, as discussed with Mr. Stoh., Mr. Max Trent, and Mrs. Julie Nott for the new period.

Please inform the writer when these new accounts are established so that I can review the format of reporting and billing with Mr. Trent on the new quarterly basis.

LVG:rh

cc: H. Neill McFarland, SMU
Ralph Stohl, SCAS ✓

USER FEE

In 1964 the User Fee (Agreement, page 6, Section II) was established at \$5,000 per year, or about 9% of the Science Library's Acquisition Budget.

Since that time, usage of the Library by SCAS has increased considerably, our acquisition budget (plus binding costs) has doubled, and SCAS suggests that their personnel now needs freer access to additional units of the SMU Library System.

A \$5,000 User Fee at the present time constitutes less than 5% of the Science Library Acquisition Budget.

It seemed to SMU personnel that it was reasonable to ask SCAS for the next year to raise the User Fee payment to \$10,000, or to a figure amounting to about 10% of our present acquisition budget.

However, SCAS claims inability to pay this much, so the fee is being left at \$5,000.

LV
LeVan Griffis

September 1, 1968

REVISED AGREEMENT

September 1, 1968

SOUTHERN METHODIST UNIVERSITY (SMU)

and

SOUTHWEST CENTER FOR ADVANCED STUDIES (SCAS)

for

LIBRARY SERVICES TO SCAS

INTRODUCTION

The two parties to this Agreement currently enjoy a warm and cooperative relationship at the working level in the area of library services. The SCAS staff enjoys privileges within the SMU library system equivalent to those extended SMU faculty members. This present Agreement is intended to revise and update the original Agreement signed by SCAS and SMU in June, 1964, which has proven to be a workable and mutually beneficial arrangement.

In accordance with provisions of the original Agreement, this Revised Agreement may be reviewed at the request of either party.

It is expected that the SCAS Librarian and the SCAS Reference Librarian at SMU will continue to work together closely in carrying out the terms of this Revised Agreement, including the handling of day-to-day operational problems as well as those of a special nature.

This present Revised Agreement establishes the basis for use of SMU Library resources exclusively for the benefit of research and staff personnel of SCAS, at the premises of SCAS or at the SMU libraries, and for transmittal by conventional means, such as telephone, personal delivery and mail.

Anticipating that transmittal of library information to SCAS from SMU may be initiated by more effective means, such as facsimile transmission via microwave, and that new elements of cost and expense to SMU will be involved in such a system, it is hereby agreed that such new techniques of transmission, as well as the design and engineering program therefor, will be covered by a new or revised agreement designed to comprehend such enlarged services.

SERVICES PROVIDED BY SMU

I. Services Normally Available to SMU Faculty Members include the following:

1. A. Access to all information contained in a collection of 349,493 volumes in the fields of science, engineering, and mathematics. (This collection is fully organized and cataloged and includes 56,124 government documents and research reports, more than 200 indexing and abstracting services received currently, and more than 1,750 scientific serials received currently.)
2. B. Services of a staff of professionally trained and experienced librarians who have a service-oriented outlook and are familiar with the collection. The SMU Science Library staff will be responsible for the professional aspects of service to SCAS when the SCAS Reference Librarian is absent. They will thus provide "back-up" service to the clerical assistant who works with the SCAS Reference Librarian.

1.3 C. Services of a fully equipped photolab manned by a full-time employee. The photolab can produce:

1. Excellent photocopy (on a Xerox 914 and 2400) of articles from books and journals.
2. Full-sized reproductions from both roll microfilm and microfiche, and
3. Roll microfilm copies of books and journals.

1.4 D. Access to machines for reading roll microfilm, microfiche, and microcards.

1.5 E. Access to private study rooms which enable a user to carry out a detailed literature search or any other library activity requiring a considerable amount of time in the Science Library.

1.6. Note: In lieu of issuing library cards, the SMU library staff at all SMU libraries will require SCAS users to identify themselves. Names of users will be checked against an authorized list of SCAS users, in cases where the individual is not known to the staff.

II. Special Services and Provisions under this Revised Agreement

include the following:

2.1 A. The services of a professional librarian, to be designated the SCAS Reference Librarian, who will devote full time to SCAS needs. SMU will furnish to this librarian a private office and furnishings, and he will be able to call upon any

Science Library staff member for advice and/or assistance relating to SCAS requests.

The SCAS Reference Librarian will be an SMU employee, enjoying SMU's normal fringe benefits. Hiring, termination, and salary determination and review will be joint responsibility of the SMU Library Administration and SCAS.

- 2.2 B. SMU will lend SCAS books and documents from its circulating collection for a period of three weeks. Loans of journals will be for one week. Books and journals may be renewed if there have been no requests for them.

If SMU staff, faculty, or students have had Science Library material for three weeks or longer, and this material is requested by SCAS, they will be required to return said material for a three-week period with the understanding that they may have it again when the three-week loan period (or one week in the case of journals) to SCAS has passed.

- 2.3 C. When request is made for journal articles which involve ten pages or less, SMU will supply a photocopy in lieu of a loan.

- 2.4 D. Requested material not in the Science Library collection will be borrowed, when possible, from other sources.

- 2.5 E. Call service to the Science Library Reference Department will be provided at any time, either directly or through the SCAS Reference Librarian, for information which can be located fairly quickly within Science Library holdings.

- 2.6 F. Fifty (50) copies of a monthly information bulletin for SCAS use will be provided.
- 2.7 G. SCAS will assume financial responsibility for all books and journals borrowed by SCAS personnel, either through SCAS Reference Librarian or directly by individual staff member.

COSTS TO SCAS

3 Payments by SCAS to SMU will be made quarterly upon receipt of itemized invoices showing direct salary and itemization of other expenses for supplies, communications, services, plus a pro rata annual fee and reimbursement for indirect costs related to the SMU Library operation. These elements of billable cost include the following:

3.1 I. Direct Costs for Specific Services

3.11A. Salary plus normal SMU fringe benefits of the SCAS Reference Librarian. Salary plus normal SMU fringe benefits of other required part-time or supporting personnel as mutually agreed to by the SMU Administration and SCAS.

3.11B. In those instances when the SCAS Reference Librarian uses personal transportation on an official trip required to provide this service to SCAS, SCAS will reimburse that person for mileage costs at the rate of 10¢/mile. SCAS will reimburse

the SCAS reference Librarian at its usual rate for a reasonable amount of professional, out-of-town travel.

- 312 C. SCAS will pay SMU for the direct cost of each completed inter-library loan.
- 314 D. Photocopies will be furnished at the rate of 15¢/page.
- 315 E. Reproduction from film will be at the rate of 20¢/page when 1-10 pages are involved, with a minimum charge of 60¢. For 11 or more pages, the rate will be 15¢/page. Microfilming is @5¢/frame.
- 316 F. Filming or photocopying done for SCAS by other sources in lieu of interlibrary loans will be charged on an actual cost basis.
- 317 G. Reimbursement will be made for the direct cost of long distance calls and teletype or facsimile messages required to locate material quickly in performing this service but not to exceed the budgeted total for this service.
- 318 H. Allowance for overhead costs of 40% of the total direct costs included in ^{3.11-3.17} ~~A-6~~ above will be paid by SCAS except when SCAS reimburses the SCAS Reference Librarian directly for SCAS-approved out-of-town travel.

II. User Fee

- 322 SCAS will pay SMU an annual ^{user} fee of \$5,000 for library acquisitions, with the understanding that library material purchased be in the interests of SCAS research and that SCAS has the privilege of

requesting specific additional titles. All orders purchased with SCAS funds must be approved by the SMU Science Librarian and the SCAS Reference Librarian. The user fee is not to be included in the computation of indirect costs.

III. Record Keeping

- 3.4 SMU will maintain a mutually satisfactory system of record keeping whereby the quarterly statements and billing to SCAS will distribute charges to the properly identified accounts.

IV. Budget - 1968-69

- 3.2 The budget under this program for the year 1968-69, beginning September 1, 1968, is attached as Appendix I. Quarterly billings at actual cost, not to exceed mutually agreed estimates without further negotiation, will be submitted to SCAS for payment of services rendered. Budgets for each succeeding fiscal year will be mutually agreed upon by SMU and SCAS before the beginning of each fiscal year.

SOUTHERN METHODIST UNIVERSITY

By Willis M. Tate
Title President

Date:

October 8, 1968

SOUTHWEST CENTER FOR ADVANCED STUDIES

By Ralph N. Stolt
Title Vice President

Date:

October 7, 1968

APPENDIX I

OPERATING BUDGET

~~July 1, 1968 - June 30, 1969~~September 1, 1968 - August 31, 1969

LW. 10/17

I. <u>DIRECT COSTS</u>		
A. Salaries		
1. Reference Librarian	\$ 10,500	
2. Part Time Assistant - Clerical Assistant (30 hrs/wk @ \$2.10 per hr.)	<u>3,276</u>	\$ 13,776
B. Employee Benefits (10% of Salaries)		1,377
C. Supplies and Services		
1. Administrative Supplies	\$ 400	
2. ILL Checks and SMU Photocopy	1,500	
3. Communication Services	<u>720</u>	2,620
D. Travel		<u>400</u>
Total Direct Costs		\$ 18,173
II. <u>INDIRECT COSTS</u> (40% of Direct Costs)		\$ 7,269
III. <u>ANNUAL FEE*</u>		
A. Books	\$ 2,500	
b. Periodicals	<u>2,500</u>	
Total Annual Fee		<u>5,000</u>
TOTAL BUDGET FOR 1968-69		<u>\$ 30,442</u>

* Prorated beginning September 1, 1968

AGREEMENT

THIS AGREEMENT made on this 28th day of August 1968,
between the

SOUTHWEST CENTER FOR ADVANCED STUDIES, a non-profit educational and research institution located in Richardson, Texas, herein called "SCAS",

and

SOUTHERN METHODIST UNIVERSITY, a non-profit institution of higher education located in Dallas, Texas, herein called "SMU",

WITNESSETH:

WHEREAS, SCAS is engaged in basic research in the geological sciences; and

~~WHEREAS, SCAS does not now award academic degrees; and~~

WHEREAS, SMU is a degree granting university; and both institutions have a deep commitment to advanced education in the geological sciences;

NOW THEREFORE, for and in consideration of the mutual understanding, agreements and provisions hereof, the parties agree and contract to the following:

I.

1. SMU hereby agrees:

A. That the faculty of the SMU Department of Geological Sciences (including Associate Members) will continue the present program of formal courses and research which has been approved by the Graduate Faculty of the SMU School of Humanities and Sciences and which

leads to the degrees of Master of Science and Doctor of Philosophy.

- SMU will*
B. To appoint as Associate Members of the graduate faculty of the SMU Department of Geological Sciences such members of the ^{UT Dallas} (SCAS) faculty as may be nominated by ^{UT Dallas} (the Head of the SCAS Division of Geosciences), approved by the Chairman of the SMU Department of Geological Sciences and the Dean of the SMU Graduate School of Humanities and Sciences, confirmed by the faculty of the SMU Graduate School of Humanities and Sciences, and approved by the SMU Board of Trustees. For the academic year 1968-69 these shall include Drs. Anton Hales, Mark Landisman, Charles Helsley, Ian MacGregor, Emile Pessagno, and James Urban. Persons so appointed to the SMU faculty shall bear the title of Adjunct Professor, irrespective of their faculty rank at SCAS.
- provided herein*
C. The faculty appointments ~~defined in (B)~~ will carry the usual privileges accorded Associate Members of the SMU Graduate Faculty of Humanities and Sciences, including use of library and research facilities, the option of joining the SMU Faculty Club, and use of the University Bookstore.
- provided herein will be annually*
D. The faculty appointments defined in (B) shall be for terms of one year and may be renewed following the ~~same~~ procedure outlined in (B). Such appointees shall not be voting members of the SMU faculty of the Graduate

School of Humanities and Sciences, nor will they be eligible for election to the SMU Faculty Senate.

They will, however, be voting members of the graduate faculty of the SMU Department of Geological Sciences.

~~E.~~ The faculty appointments defined in (B) will not entitle the appointee to certain incidental privileges accorded full-time SMU faculty members. These include participation in the retirement plan, hospitalization program, life insurance program, health insurance program, accident insurance program, tuition scholarships for dependents and use of SMU Health Services and special reduced rates for athletic and recreational events.

F. SMU will pay SCAS a share of the tuition collected for the academic services rendered by SCAS. Of the tuition collected for each student semester hour taught by SCAS faculty members SMU will retain 33% to cover SMU overhead and remit to SCAS the remaining 67%.

G. The rate of reimbursement defined in (F) will be subject to annual review and adjustment.

H. Degrees awarded by virtue of work done within the SMU Department of Geological Sciences will be designated as awarded by SMU in cooperation with SCAS, and the diploma will carry a statement to that effect.

II.

SCAS agrees:

A. To cooperate actively and intensively with SMU in

the recruitment of additional students, according to admission standards established by the Graduate School of Humanities and Sciences of SMU.

B. To provide financial support for resident graduate students whose principal field of research is under the direction of a member of the SCAS faculty.

III.

~~A~~ ³ Course offerings in the geological sciences by members of the ^{VTD} SCAS faculty will be scheduled as required by student demand and faculty availability.

B. This agreement may be reviewed and revised annually. ^{and may be by 90 day written notice} and should be reviewed at the end of five years from its approval date.

IN WITNESS WHEREOF, the parties hereunto set their hand
this 28th day of August 1968.

SOUTHWEST CENTER FOR ADVANCED STUDIES

by



Gifford K. Johnson
President

SOUTHERN METHODIST UNIVERSITY

by



Willis M. Tate
President

JUNE 1964

AGREEMENT

SOUTHERN METHODIST UNIVERSITY
and
GRADUATE RESEARCH CENTER OF THE SOUTHWEST
for
LIBRARY SERVICES TO GRCSW

INTRODUCTION

The two parties to this Agreement currently enjoy a warm and cooperative relationship at the working level in the area of library services. The GRCSW scientific staff enjoys privileges within the SMU library system equivalent to those extended SMU faculty members; and both in the matter of service and acquisition of new holdings vital to GRCSW programs, SMU's Science Information Center has played a needed and very helpful role. Heretofore, this relationship has been on an informal basis which was possible chiefly because most of the GRCSW staff has been housed in the same building with the SIC facilities.

This Agreement does not purport to change in any way the present relationship of the two groups from the standpoint of common goals and interests in serving the scientific community. Because of the fact, however, that the GRCSW operation will be entirely remote from the SMU campus beginning sometime during 1964, it is desirable that this relationship be formalized, since

the factors affecting the working mechanism will be changed considerably. Accordingly, this Agreement calls for SMU to provide GRCSW with (1) a continuation of those library services and facilities normally available to SMU faculty, which GRCSW has been using; and (2) certain other special library services for which GRCSW will pay at specified rates.

This Agreement may be reviewed at the request of either party; in no case will the first review be later than three months from the effective date of the Agreement, and subsequent reviews will be held at six-month intervals.

It is expected that the GRCSW Librarian and the GRCSW Service Librarian at SMU assigned to serve GRCSW will work together closely in carrying out the terms of this Agreement, including the handling of day-to-day operational problems and those of a special nature.

SERVICES PROVIDED BY SMU

I. Services Normally Available to SMU Faculty Members

- A. Access to all information contained in a collection of over 180,000 volumes in the fields of science, engineering and mathematics. (This collection is fully organized and cataloged and includes 60,000 government documents and research reports, more than 100 indexing and abstracting services received currently, and more than 2000 scientific serials received currently.)
- B. Services of a staff of professionally-trained and experienced librarians who have a service-oriented outlook and are familiar with the collection.

C. A fully equipped photolab manned by a full-time employee. The lab can produce:

1. excellent photocopy (on a Xerox 914) of articles from books and journals,
2. full-sized reproductions from both roll microfilm and microfiche, and
3. roll microfilm copies of books and journals.

D. Machines for reading roll microfilm, microfiche, and microcards.

E. Private study rooms which enable a user to carry out a detailed literature search or any other library activity requiring a considerable amount of time in situ at the SIC.

Note: In lieu of issuing library cards, the SMU library staff will merely ask GRCSW users to identify themselves. Their names will be checked against an authorized list of GRCSW users in cases where the individual is not known to the staff.

II. Special Services

A. The services of a professional librarian, to be designated the GRCSW Service Librarian, who will devote full time to GRCSW needs. SMU will furnish this librarian a private office and furnishings, and he will be able to call upon any SIC staff member for advice and/or assistance relating to GRCSW requests.

The GRCSW Service Librarian will be an SMU employee, enjoying SMU's normal fringe benefits. Hiring, termination, salary determination

and review will be joint responsibilities of the two groups. A policy relating to vacation schedule, coverage of the librarian functions during vacation and other absences, and the problems posed by difference in work schedules of GRCSW and SMU during special holiday periods will be formulated by mutual agreement.

- B. SMU will lend GRCSW books and documents from its circulating collection for a period of three weeks. Loans of journals will be for one week. When request is made for journal articles which involve ten pages or less, SMU will supply a photocopy in lieu of a loan.
- C. Requested material not in the SIC collection will be borrowed, when possible, from other sources.
- D. Call service to the SIC reference department, channeled through the GRCSW Service Librarian, at any time for information which can be located fairly quickly within SIC holdings.
- E. A set of any Union list of area library holdings, when and if available, in situ at the GRCSW Library.
- F. Fifty copies of the monthly SIC Information Bulletin for GRCSW use.

COSTS TO GRCSW

I. Direct Costs for Specific Services

- A. Salary plus normal SMU fringe benefits of the GRCSW Service Librarian (to be no more than \$11,500 annually) .

- B. In those instances when the GRCSW Service Librarian uses his own car on an official trip to a GRCSW location, GRCSW will reimburse him for mileage costs at the rate of 10¢/ mile.
- C. GRCSW will pay SMU for the direct cost of each completed interlibrary loan.
- D. Photocopies will be furnished at the rate of 15¢/ page.
- E. Reproduction from film will be at the rate of 20¢/ page when 1-10 pages are involved, with a minimum charge of 60¢. For 11 or more pages, the rate will be ^{15¢}~~18¢~~/ page.
- F. Filming or photocopying done for GRCSW by other sources in lieu of interlibrary loans will be charged on an at-cost basis.
- G. Reimbursement will be made for the direct cost of long distance calls and teletype or facsimile messages required to locate material quickly, provided the request is authorized by a GRCSW person whose name appears on an approved list (not the full GRCSW user list) which will be furnished to SMU.
- H. Allowance for overhead costs of 20% of the total direct costs included in A - G above.

II. User Fee

GRCSW will pay SMU an annual fee of \$5000 for library acquisitions, with the understanding that GRCSW can review card files and current acquisition lists for the purpose of requesting additional holdings.

III. Record Keeping

SMU will maintain a mutually satisfactory system of record keeping whereby the monthly statements to GRCSW will distribute charges to the proper GRCSW accounts.

Southern Methodist University

by Willis M. Tate

date June 16, 1964

title President

Graduate Research Center of the Southwest

by Ralph N. Sted

date June 19, 1964

title Vice President

AGREEMENT

THIS AGREEMENT made on this 16th day of May, 1968, between
the

SOUTHWEST CENTER FOR ADVANCED STUDY, a non-profit educational
and research institution located in Richardson, Texas, herein called "SCAS"
and

SOUTHERN METHODIST UNIVERSITY, a non-profit institution of higher
education located in Dallas, Texas, herein called "SMU",

WITNESSETH:

WHEREAS, the North Texas Metropolitan area is not producing
enough engineers and scientists with advanced degrees; and

WHEREAS, SCAS is engaged in an extensive program of scientific
research of a character equivalent to that associated with advanced
degrees; and

WHEREAS, the faculty of SCAS represent a potential educational
resource not presently fully utilized in providing education toward advanced
degrees in engineering and science; and

~~WHEREAS, SCAS does not now award academic degrees; and~~

WHEREAS, SMU, as a degree granting university, has a deep com-
mitment to advanced education in engineering and science; and

WHEREAS, SMU desires to use all educational resources in increasing
advanced degree production in North Texas;

NOW THEREFORE, for and in consideration of the mutual understanding,
agreements and provisions hereof, the parties agree and contract to the
following:

I.

SMU hereby agrees:

A. To ~~establish~~^{continue} a new Space Sciences Center as an administrative unit within the SMU Institute of Technology.

B. To name Dr. Francis Johnson of the Division of Atmospheric and Space Sciences at SCAS as Director of the Space Sciences Center in the Institute of Technology.

C. To appoint to the Space Sciences Center, as faculty members in the SMU Institute of Technology, the following members of the SCAS faculty:

1. Dr. Carl B. Collins, Jr. - Associate Professor of Electrical Engineering and Space Sciences
2. Dr. William B. Hanson - Professor of Aerospace/Mechanical Engineering and Space Sciences
3. Dr. Walter J. Heikkila - Professor of Electrical Engineering and Space Sciences
4. Dr. Richard R. Hodges - Assistant Professor of Electrical Engineering and Space Sciences
5. Dr. John H. Hoffman - Associate Professor of Aerospace/Mechanical Engineering and Space Sciences
6. Dr. Worth B. Hurt, Jr. - Assistant Professor of Electrical Engineering and Space Sciences
7. Dr. Francis S. Johnson - Professor of Aerospace/ Mechanical Engineering and Space Sciences
8. Dr. James E. Midgley - Associate Professor of Electrical Engineering and Space Sciences
9. Dr. R.A.R. Palmeira - Assistant Professor of Aerospace/ Mechanical Engineering and Space Sciences

10. Dr. T.N.L. Patterson - Associate Professor of Electrical Engineering and Space Sciences
11. Dr. Gilbert N. Plass - Professor of Aerospace/ Mechanical Engineering and Space Sciences
12. Dr. B. A. Tinsley - Assistant Professor of Electrical Engineering and Space Sciences.

- D. The faculty appointments ^{provided herein} defined in (C) will ^A carry full voting rights in the Institute Faculty Council of the SMU Institute of Technology.
- E. The faculty appointments defined in (C) do ^B not carry tenure at SMU and such appointees are not voting members of the SMU faculty nor are they eligible for election to the SMU Faculty Senate.
- F. The faculty appointments defined in (C) do ^C not entitle the appointee to certain incidental privileges accorded other SMU faculty members. These include participation in the retirement plan, hospitalization program, life insurance program, health insurance program, accident insurance program, tuition scholarships for dependents, use of SMU Health Services, special reduced rates for athletic and recreational events.
- G. The faculty appointments defined in (C) do ^D carry the privilege of joining the Faculty Club, of using university faculty recreational facilities and of using the University Bookstore.
- H. Additional appointments in the Space Sciences Center must be approved by the SMU Institute of Technology in accordance with the policies and evaluative procedures applied for all new faculty in the Institute.

2 ~~copy~~
I. The existing academic policies, procedures and standards now in effect in the SMU Institute of Technology, as set forth in the 1968 Bulletin and in the manual "Organization and Administration of the Institute of Technology", will apply to the Space Sciences Center and its operations except as they might be changed in the future by the Institute Faculty Council.

3 J. The Space Sciences Center will offer a group of courses, approved by the usual procedure in the Institute, and these will be listed in the Bulletin of the Institute as regular offerings of the SMU Institute of Technology.

K. The administration of the SMU Institute of Technology will work closely with the Space Sciences Center to develop appropriate advertising literature, ^{and} to aid in its appropriate circulation, and to assist in the recruitment of graduate students.]

~~L.~~ The SMU Institute of Technology will pay SCAS its share of the tuition collected for the academic services rendered by SCAS. The present tuition rate is \$50 per semester credit hour and the Institute will return to SCAS \$33.33 for each student semester hour taught; the \$16.67 retained is to cover SMU overhead.

M. The rate of reimbursement defined in (L) will be subject to annual review and adjustment, if agreed.

5 ~~N.~~ Degrees awarded by virtue of work done within the Space Sciences Center will be designated as awarded by SMU in cooperation with SCAS upon recommendation of the faculty of the joint program sponsored by these two institutions, and the diploma will include a statement to that effect.

II.

SCAS agrees:

- A. To provide the financial support for the operations and activities of the Space Sciences Center except as noted in I(L).
- B. That the objective of this agreement will be secured only if the Space Sciences Center successfully recruits additional graduate students into the academic program.
- C. To cooperate actively and intensively with SMU in the recruitment of additional students.
- D. To provide financial support for resident graduate students recruited into the program offered by the Space Sciences Center.

III.

The fundamental motivation behind this agreement is to capitalize upon the unused educational assets of SCAS for the purpose of increasing the output of M.S. and Ph.D. degrees in the North Texas area.

- A. The Space Sciences Center will offer two courses, one each semester, in the ¹⁹⁶⁸⁻⁶⁹ 1968-69 academic year. These will be offered over the TAGER TV system.
- B. In years subsequent to ¹⁹⁶⁹⁻⁷⁰ 1968-69, course offerings by the Space Sciences Center will be scheduled as required by student demand, faculty availability, and in accordance with procedures governing other centers in the SMU Institute of Technology.
- C. This agreement is subject to review, revision, or ratification at the end of five years from its approval date.

IV.

The description of the Space Sciences Center and its initial menu of courses, as it will be published in the ^{Pico} 1968 Bulletin of the SMU Institute of Technology, is given in ~~the~~ Appendix. ^{Exhibit A which is attached hereto and made apart hereof,} This will be subject to revision in future years by the same process as followed by other centers in the Institute.

IN WITNESS WHEREOF, the parties hereunto set their hand this
16th day of May, 1968.

SOUTHWEST CENTER FOR ADVANCED STUDY

by Gifford K. Johnson
Gifford K. Johnson
President

SOUTHERN METHODIST UNIVERSITY

by Willis M. Tate
Willis M. Tate
President

THE SPACE SCIENCES CENTER

Faculty: Professors F. S. Johnson (Director), W. B. Hanson, G. B. Plass, W. J. Heikkila; Associate Professors T. N. L. Patterson, J. H. Hoffman, C. B. Collins, Jr., J. E. Midgley; Assistant Professors R. R. Hodges, Jr., R. A. R. Palmeira, B. A. Tinsley, W. B. Hurt, Jr.

The Space Sciences Center

The Space Sciences Center of the Southern Methodist University Institute of Technology is formed by the permanent faculty members of the Division of Atmospheric and Space Sciences of the Southwest Center for Advanced Studies holding joint appointments. The Center is engaged in a broad program of space research including airplane, balloon, rocket, satellite and deep space probe experiments as well as related ground based and laboratory experiments and theoretical work. Since space research involves the application of fundamental ideas and principles from many disciplines such as mathematics, physics, chemistry, and engineering, it provides an ideal instrument for advanced education. The training acquired through space research will thus prepare the student for many areas of research and development in government and industrial laboratories, in addition to the obvious ones in the space program.

The overall research objective of the Center is to develop as fully as possible an understanding of the earth's atmosphere and the processes by which it has reached its present state. This same objective is applied with regard to the planets, the moon, and the interplanetary or solar environment in which they are located. The characteristic feature of the entire research program is its breadth, which enables each research area to draw strength from other areas. The research activities may be subdivided into Planetary Atmospheres, Ionospheric and Radio Physics, and Particles and Fields.

Planetary Atmospheres. It is apparent that the earth's atmosphere (and presumably those also of Mars and Venus) has evolved from the planetary interior. The objective is to understand the physical, chemical, and photochemical processes by which the atmospheric constituents have arisen, and by which they are controlled.

Ionospheric and Radio Physics. Excitation and ionization of the atmospheric constituents is an important consequence of electromagnetic and corpuscular radiation, both mainly of solar origin. The program includes the study of the primary effects, and of the plasma physics of the resulting medium.

Particles and Fields. Energetic particles of both solar and galactic origin are important probes of electric and magnetic fields in the solar system, and particularly the earth's magnetosphere. The aim here is to exploit this natural probe through a comprehensive set of ground-based and space experiments. There are also many interesting plasma problems that arise out of the interaction of the solar wind with planetary bodies.

The research facilities include rocket programs, some being especially designed for convenient student participation; more than a dozen spacecraft experiments already in flight or nearly so with new ones planned; laboratory facilities, especially in plasma physics related to ionospheric problems; an IBM-360/50 computer at the SCAS in addition to the SMU IBM-360/44 computing facilities. Engineering and technical assistance is available as required.

The list of courses offered by the Space Sciences Center has been designed to provide the basic knowledge appropriate to the various research programs. In addition, there are many specialized seminars on current research topics, many of which are presented by world-renowned scientists.

Courses offered by the Space Sciences Center
SMU - Institute of Technology

SP 5310 Ionospheric Phenomena (1)

Formation and properties of the major ionospheric regions; magnetoionic (cold plasma) theory; propagation of radio waves; ground based, rocket and satellite methods. (Fall Term of even numbered years)

SP 5320 Upper Atmosphere

Basic processes, such as tides, winds, turbulence, excitation and ionization. Characteristics of the neutral upper atmospheres of the earth and planets. (Spring Term of even numbered years)

SP 5330 Solar System Astronomy

Basic methods of optical radio and radar astronomy, both ground-based and spacecraft. Review of our knowledge of the sun and the solar system; brief review of galactic structures cosmology. (Fall Term of odd numbered years)

(1) To be offered in the Fall Term of 1968 by Dr. Heikkila

SP 5340 Space Environment (2)

Penetrating particle radiation in space (cosmic radiation, solar flare radiation, and Van Allen radiation) and its relationship to magnetic fields. The static geomagnetic field. The solar wind and its interaction with solar system bodies, including magnetospheres. Meteorites. Influence of environmental factors on men and systems. (Spring Term of odd numbered years)

SP 6310 Collision Phenomena in Ionized Gases

A study of fundamental microscopic concepts of atomic and molecular collisions, elastic scattering theory and measurement, ionization and excitation by electron impact, inelastic collisions of heavy particles, and macroscopic behavior, including a study of mobility, diffusion, recombination and surface effects. (Fall semester of even numbered years)

SP 6316 Electromagnetic Radiation in Plasmas

Magnetoionic theory, modes of wave propagation, phase velocity surfaces. Antennas and probes in plasmas, interactions between energetic particles and plasmas. (Spring semester of odd numbered years)

SP 6320 Radiative Transfer In Planetary Atmosphere

Theory of radiative transfer; computational methods; atmospheric absorption and scattering; mil theory; band models; application to Earth, Mars and Venus. (Spring semester in even numbered years)

SP 6340 Energetic Particles in Space

Kinematics of relativistic particles. Motion of relativistic particles in electrical and magnetic fields. Energy loss of charged particles in passage through matter. Experimental methods of detection of charged and neutral particles. Energetic particles in space: Van Allen particles and Cosmic rays. (Spring semester of odd numbered years)

SP 6341 Experimental Methods in Space Science

Balloons, rockets, and satellites. Electronic, mechanical and thermal design of spacecraft. Instrumentation, such as ionospheric probes, ion and neutral mass spectrometers, energetic particle detectors. Weather, communication, and navigation satellites. (Spring semester of even numbered years)

(2) To be offered in the Spring Term of 1969 by Dr. Midgley

SP 6350 Atomic and Molecular Spectroscopy

Fine structure; Zeeman effect; Paschen-Back effect; Stark effect; complex spectra; x-ray spectra; hyperfine structure; breadth of spectral lines; rotation spectra; vibrational energy levels; infrared and Raman spectra; rotation-vibration spectra; electronic transitions. (Fall semester of even numbered years)

SP 6(1-4)90 Selected Problems in Space Science
...6(1-4)95

Current developments relevant to research being conducted in the Space Sciences Center.

SP 6(1-6)96, Master's Thesis
6(1-6)97

Variable credit, but not more than 6 semester hours in a single semester and not more than 3 in each summer term.

SP 7(1-9)90 Dissertation
...7(1-9)94

Credit is variable, but not more than 15 semester hours will be allowed per semester (e.g. 7990 and 7691) and not more than 5 semester hours in a single summer term.