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SCAS' CO-OPERATIVE PROGRAMS PRODUCE NINE PhD's -- 10th UPCOMING -- A REVIEW

NOTE TO EDITORS: The following review story may be used as a straight release; as a base for editorial comment, or for information purposes in connection with proposals now before the 61st Texas Legislature. It provides several factual details about the SCAS that have not been correctly reported in regional media. All documentation on which this review is based is available to you and your staff members.

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As second semesters begin at North Central Texas universities and colleges, the Southwest Center for Advanced Studies will send a 10th candidate to his "home school" to get his Ph.D.

The SCAS, now a privately-backed teaching and research institution on the north Dallas county line, has never held an awards convocation nor granted its own graduate degree, by choice.

It does have state charter power to do so; but policy has been to co-operate with others since the charter was issued on February 14, 1961.

There are 27 other doctoral candidates at the SCAS, doing their dissertation research under supervision of its faculty, by agreement with their "home schools."

Among the more recent Ph.D.'s awarded under such co-operative arrangements, Dr. Ling (Chu) Yu received hers from Emory University, in Atlanta.

Dr. Hannes K. Brueckner's was conferred by Yale University; Dr. Celma Araujo Hausmann's, by the Federal University of Rio de Janiero, and Dr. Michiko Mitani's by Tokyo Metropolitan University.

Since the first SCAS-supervised candidate received his doctorate in mathematical physics at The University of Texas, Austin, in 1964, there have also been awards by Oklahoma State University, Southern Methodist University, and The University of Texas Southwestern Medical School in Dallas.

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SCAS EDUCATION -2-

Nine or 10 co-operative Ph.D. awards ^{in sciences} since 1964 puts the SCAS in the middle of the North Central Texas "producer list," at least on a helping-hand basis.

A survey of six area universities and colleges, published in November, 1968, showed 110 Ph.D.'s awarded in sciences since 1964. The survey covered physical, biological and mathematical sciences, engineering, and experimental psychology. The SCAS' co-operations have been only in physical, biological and mathematical sciences.

In the listing, Texas Christian University reported 64 Ph.D.'s conferred, including 25 in experimental psychology. Southwestern Medical School reported 17, Southern Methodist University 9, Baylor College of Dentistry 8, North Texas State University 7, and Texas Woman's University 5.

Counting all Ph.D. awards by the same six universities and colleges, the total was 213 for the five-year period. The larger number included degrees in history, English, economics, music, household arts and sciences, and physical education and recreation. (103).

In other kinds of doctoral awards, Southwestern Medical had granted 457 M.D.'s; Baylor Dentistry, 431 D.D.S.'s; North Texas State, 143 Ed. D.'s, and Southern Methodist, two S.J.D. (Jurisdiscal Science).

The survey was made by John Ohendalski, research editor for the TCU Research Foundation, and published in the Foundation's annual report.

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Oldest Group Co-operation With Southern Methodist
SCAS'

Oldest of the/co-operative graduate programs involving groups of students, rather than one-at-a-time agreements, is in geological sciences. It leads to the Ph.D. award by Southern Methodist. The program, planned first in 1962-63, places six of the SCAS' Geosciences Division faculty in the SMU Department of Geological Sciences as associate members.

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Doctoral diplomas from Southern Methodist state the co-operative nature of the program. During the current academic year, the SCAS has directly recruited six students for the co-operative study. Dr. Charles Naeser has received his degree in this program.

The SCAS faculty in graduate physics is currently supervising the work of eight doctoral candidates who will receive their degrees at North Texas State University. Three of these were recruited by a SCAS faculty member.

The same faculty group is providing both direction and teaching for the SMU Institute of Technology's Space Sciences Center through an agreement of May, 1968. Course work was underway last fall on a limited basis.

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Core Curriculum in Graduate Physics Arranged Through TAGER

When TAGER (The Association for Graduate Education and Research of North Texas) was founded in 1965, the SCAS assumed regional leadership in developing its concepts for shared use of graduate education resources. The emphasis was on physics.

With the opening of the TAGER-TV system, physics department heads at Southern Methodist, Texas Christian and the University of Dallas joined with the SCAS' faculty to develop a core curriculum of 24 semester hours in physics. The curriculum is based on requirements for the Ph.D. in physics that are common to each institution's degree programs.

(The TAGER-TV system links Austin College at Sherman, the SCAS, Southern Methodist, University of Dallas, and Texas Christian, as well as many industrial classroom sites. Bishop College, Dallas, and Texas Wesleyan College, Fort Worth, are also members of TAGER.

(TAGER-TV was made possible through the gifts of Cecil and Ida Green. Mr. Green, who heads the TAGER Board of Trustees, is a co-founder of the SCAS and a member of its Board of Governors.)

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The SCAS' physics faculty of 12 is actually larger in numbers than the combined physics faculties at the three TAGER institutions offering the Ph.D.: SMU, TCU, and the University of Dallas.

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Co-ordinating Board Recommendation, Blanton Bill Before Legislature

The question of the SCAS' future role in graduate supervision and advanced degree awards is now before the 61st Texas Legislature.

A bill by Rep. Jack Blanton of Carrollton would enable the SCAS to become the base for a new graduate school in North Central Texas, as a part of The University of Texas System. It would also provide for future educational expansion by UTS in this area, including enrollment of undergraduate students after September 1, 1975, and the later granting of bachelor's degrees.

The idea of the SCAS' transfer to The University of Texas System has also been recommended to legislators by the Coordinating Board, Texas College and University System; but the Coordinating Board would limit the SCAS' graduate education role to about what it is now.

The Coordinating Board has also recommended that a state senior college, offering junior-year, senior-year, and master's degree study, be opened in Dallas in 1973. Initial enrollment would be 1,800. No site was designated by the Coordinating Board. The college would be "free standing," with a local Board of Regents.

The Coordinating Board, on December 3, 1968, approved the following SCAS recommendation and sent it to the Legislature:

"The Southwest Center for Advanced Studies (to be redesignated as The University of Texas Center for Advanced Studies) will continue to be developed by The University of Texas as a research institute of the highest order for the North Texas area region.

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"Its facilities will be open, by interinstitutional and interagency contracts, to all higher education institutions, primarily those in the region, both public and private, and, on the doctoral and postdoctoral levels, to all doctoral-granting universities as both a research and teaching resource.

"While the Center will not be a 'primary' degree-granting unit, the University may use its research and teaching capabilities for the development of cooperative doctoral degree programs with the doctoral-granting institutions both public and private, of the area and of the state."

(The Coordinating Board also recommended to the Legislature "that there be created in the North Texas area a federation of public universities consisting initially of North Texas State University, Texas Woman's University, and East Texas State University, to insure cooperative planning and action to maximize use of available resources, present and future, and to more fully meet the needs of the area.")

The SCAS recommendation concluded: "As directed by the Higher Education Coordinating Act, 1965, the Coordinating Board will continue to approve degree programs for all individual units in the public sector before such programs are inaugurated by a center, branch, or any other component under a governing board."

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Blanton Bill Calls for "General Academic Institution," Beginning at Graduate Level

The Blanton bill, if passed as written, would authorize the UT System Regents to "establish and maintain a general academic institution," with its first emphasis on graduate education; the "state-supported institution of higher education to be known as The University of Texas at Dallas" would be located on "a site to be selected in Dallas County, Texas; provided, however, that the site may extend into any county adjacent to Dallas County. The site shall consist of not less than 250 acres of land that shall be donated for such purpose without cost to the State of Texas."

(The SCAS Board of Governors has offered 250 acres of land to the UT System Regents, ^{proposed} together with a main campus structure, the Founders Building. Total value of the / conveyance of property is about \$11 million, **including** equipment. ((TAGER-TV is not included)).

(Nearly 200 acres of the land is in Dallas County. The Founders Building is sited in Collin County, within 500 feet of the Dallas County line. The entire 250 acre tract is within the City of Richardson.)

Sections 2 and 3 of the Blanton bill, as proposed, include the following:

"The (UTS) Board of Regents shall have the authority to prescribe courses leading to such customary degrees as are offered at leading American universities and to award all such degrees. It is the intent of the Legislature that such degrees shall include baccalaureate, master's, and doctoral degrees, and their equivalents, and that there be established a standard four-year undergraduate program, but no department, school, or degree program shall be instituted except with the prior approval of the Coordinating Board, Texas College and University System. The Board of Regents shall make such other rules and regulations for the operation, control, and management of the university as may be necessary for the conduct of the university as one of the first class...

"Notwithstanding the other provisions of this Act, the Board of Regents shall not have authority to provide for or permit the enrollment of undergraduate students or the awarding of baccalaureate degrees prior to September 1, 1975. The Board (of Regents) is authorized, however, to provide for the enrollment of graduate students and the awarding of graduate degrees after the effective date of this Act."

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Existing Co-operative Graduate Programs Would Continue

If the bill passes as proposed, or the Coordinating Board recommendation is adopted in the Legislature, the present co-operative graduate programs with both

private and state universities would continue at the will of their administrations and faculties.

Dr. Willis M. Tate, President of Southern Methodist, said publicly on January 17:

"We have received assurances from representatives of The University of Texas that the co-operative arrangement between SMU and SCAS in the fields of geological sciences and space sciences will be maintained.

"This, of course, is an important issue as far as we are concerned.

"SMU has enjoyed a very fine arrangement with SCAS in these two programs and other respects as well.

"The co-operation that SCAS has given us in the geological sciences has strengthened our Ph.D. program in that field significantly. Moreover, our new space sciences degree programs in the Institute of Technology are being manned entirely by SCAS professors."

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SCAS Has Provided 10 Full-Time Faculty for Regional Universities and Colleges

While the co-operative graduate programs have been developing at the SCAS, and basic research volume has reached an annual level of some \$5 million, the SCAS has also been a strong source of full-time and part-time faculty members at regional institutions.

From its faculty and post-doctoral (Research Associate) group, the SCAS has provided 10 full-time faculty members for regional universities and colleges since 1962.

Three have been appointed to head departments at regional universities. Nationally, and internationally, the SCAS has provided a total of nine department chairmen. The three regional chairmen are Dr. Gilbert N. Plass, Physics, Texas A&M University; Dr. Alex J. Dessler, Space Sciences, Rice University, and Dr. Benjamin Gottlieb, Physics, Bishop College.

SCAS EDUCATION -8-

Of 63 post-doctorals at the SCAS since 1962, 13 have been retained by the SCAS in faculty and research posts. Of the remaining 50, there are now 22 at the SCAS; they are preparing for future teaching and research assignments in a basic two-year program that has often been likened to medical residency and internship. Those who have gone on include 21 now serving in Texas, Louisiana, New Mexico, and Oklahoma.

One of the first post-doctoral appointees that the SCAS brought to its area became a physics faculty member at North Texas State University on completion of his "residency." A second physics teacher joined the NTSU faculty after her husband accepted a permanent appointment at the SCAS.

A SCAS' visiting professor in mathematical physics accepted a visiting appointment at the Denton campus during the past year.

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68 Credit Courses Taught at Other Institutions Since 1963

Since 1963, including the first semester of this academic year, 68 credit courses have been taught at other institutions by the SCAS faculty; 54 of these were at graduate level, the rest undergraduate.

Six graduate courses are being taught in the present, new semester; the majority of these courses are transmitted to other campuses by TAGER-TV.

The SCAS faculty has taught courses, both on-campus and through television, at Southern Methodist, Texas Christian, University of Dallas, North Texas State, Southwestern Medical School, The University of Texas at Austin, Rice University, Austin College at Sherman, and Bishop College, Dallas.

Twenty-six SCAS faculty currently hold 33 adjunct appointments at other regional academic institutions.

The SCAS' faculty now numbers 47. Total Ph.D.'s on faculty and staff, including 22 post-doctorals, is 69.