

MINUTES OF THE HOUSE COMMITTEE ON EDUCATION

The meeting was called to order by Representative Rick Bowden at
Chairperson

noon a.m./p.m. on April 12, 1991 in room 254-E of the Capitol.

All members were present except:

Reps. Blumenthal, Pottorff, Hackler, Hensley, Wiard, Jones--All Excused

Committee staff present:

Avis Swartzman, Revisor of Statutes Office
Ben Barrett, Donna Luttjohann, Secretary to the Committee

Conferees appearing before the committee:

Stan Koplik, Exec. Dir., Kansas Board of Regents
Gerald Cook, President, Salina Area Chamber of Commerce
Sen. Vidricksen Rep. Turnquist Rep. Lynch
Warren Corman, Director of Facilities, Kansas Board of Regents
Timothy F. Rogers, Exec. Dire., Salina Airport Authority
Jim Coffman, Provost, Kansas State University
Don Rathbone, Dean, School of Engineering, Kansas State University
Charles Breedahl, Special Asst. to the Adjutant General, State of KS
Todd Heitschmidt, President, Student Governing Association

The meeting was called to order by Chairman Bowden and the hearing on SB 22 was opened. Dr. Stan Koplik, KS Board of Regents was the first conferee. He said the merger of the two schools would be more cost effective (Attachment 1).

Gerald Cook, Salina Area Chamber of Commerce was the next proponent of the bill. He explained what the results would be if the Legislature passed the bill. (Attachment 2)

Sen. Vidricksen briefly spoke in favor of the bill and hoped for favorable passage.

Rep. Turnquist and Rep. Lynch also spoke of the positive impact this bill would have on Salina. They hoped the committee would take positive action on the bill.

Warren Corman was the next conferee of the bill, also proponent. He displayed a map of the current school and explained where buildings were now, and what the campus would look like after the merger. (Attachment 3)

The next proponent was Tim Rogers of the Salina Airport Authority. He went over the leasing information for the classrooms and laboratory. (Attachment 4)

Jim Coffman, KSU, spoke in favor of the bill also. He noted the capital improvements and the funding sources. (Attachment 5)

Donald Rathbone, KSU, explained the concept of the merger and noted the effects the graduates of both schools have on the aviation industry. (Attachment 6)

Charles Bredahl spoke in favor of the bill noting that the National Guard in Salina has improved its facilities on the assumption that the college will support the battalion. (Attachment 7)

Todd Heitschmidt, SGA, was the final proponent of the bill. He did, however, mention the need of an amendment allowing a one year transition period during which the student body president would maintain their current seat on the Students' Advisory Committee. (Attachment 8)

CONTINUATION SHEET

MINUTES OF THE HOUSE COMMITTEE ON EDUCATION,

room 254-E Statehouse, at noon a.m./p.m. on April 12,, 1921.

The amendment was not acted upon by the committee. Chairman Bowden closed the hearing on SB 22 and informed the committee that the bill would be taken up for action at this time. Rep. White motioned to pass SB 22 out of committee favorably. It was seconded by Rep. Crumbaker. Motion carried.

The meeting was adjourned at 1:07 p.m. No meetings are scheduled for the remainder of this session.



KANSAS BOARD OF REGENTS

SUITE 609 • CAPITOL TOWER • 400 SW EIGHTH • TOPEKA, KANSAS 66603-3911 • (913) 296-3421

Testimony on Senate Bill 22 to House Education Committee
April 12, 1991

Stanley Z. Koplik, Executive Director
Kansas Board of Regents

Benefits of KSU - KCT Merger to the State of Kansas

1. The merger will result in improved cost efficiency on the Salina campus through:
 - a. increasing enrollments made possible by the increased prestige and name recognition of a major university.
 - b. reorganizing the administration of the Salina campus producing a reduction of administrative positions and an increase in faculty positions.
2. The reconfigured institution will cultivate the level of alumni and business support necessary to fulfill the training and retraining needs of the State.
3. The mesh of both baccalaureate and associate degree programs in engineering technology will enable the Regents system to respond more effectively to the industrial and student demands for technology education in Kansas.
4. The Regents Educational Communications Center will facilitate outreach programs in engineering technology to supplement KSU's statewide presence, i.e., engineering technology programs can be delivered to Wichita and Kansas City via telecommunications.
5. Makes two institutions stronger through the reallocation of funds and additionally provides \$4.5 million from the City of Salina to improve facilities and \$2.0 million from the KSU Foundation for student scholarships. These are dollars that will enhance opportunities from sources other than the State General Fund.
6. Provides an associate degree from Kansas State University, a nationally recognized institution. The prestige of such a degree will greatly enhance enrollments and service to Kansas industry.
7. Demonstration of legislative commitment to an improvement and enhancement of institutional missions and educational services to the State of Kansas through reallocation of resources and reduction of administration.

HOUSE EDUCATION
Attachment 1
April 12, 1991

OVERVIEW

Kansas State University/Kansas College of Technology Merger

Approval by the state will result in:

1. Kansas College of Technology becoming Kansas State University-Salina, College of Technology.
2. Kansas State University-Salina, College of Technology will have sub-agency status for clear tracking of expenditures by all groups.
3. A major campus improvement plan implemented over the next 4 years - the majority of which will be paid for by the proceeds of a two year 1/2 cent city sales tax by the City of Salina (approximately \$4.5 million). The following improvements to the campus will be made:
 - a) College Center (cafeteria, bookstore, student union, administration and service offices, lecture hall)
\$2.4 million cost funded by Salina sales tax
 - b) Streets and infrastructure (boundary streets, utility improvements, plaza & sidewalks)
\$1.0 million cost funded by Salina sales tax
 - c) Addition to existing technology center (library, laboratories, support)
\$700,000 cost funded by Salina sales tax
 - d) Residence Hall (accommodations for 100 students)
\$1.75 million cost funded by Salina sales tax (\$400,000)
dorm fees (\$1.35 million)
 - e) Aeronautical Center (laboratory addition {15,048 sq. ft.} to existing Pilot Training Center {14,300 sq. ft.})
\$1.59 million cost funded by State of Kansas
through annual lease payment of \$189,500
to the Salina Airport Authority with option to purchase annually. Lease renewable annually. Lease begins in fiscal year 1993. (Payment and lease approved by Joint Committee on State Building Construction)
- 4) A \$2 million scholarship fund for Engineering Technology students provided by the KSU Foundation.

Benefits of KSU - KCT Merger to the State of Kansas

1. The merger will result in improved cost efficiency on the Salina campus through:
 - a. increasing enrollments made possible by the increased prestige and name recognition of a major university.
 - b. reorganizing the administration of the Salina campus producing a reduction of administrative positions and an increase in faculty positions.
2. The mesh of both baccalaureate and associate degree programs in engineering technology will enable the Regents system to respond more effectively to the industrial and student demands for technology education in Kansas.
3. The Regents Educational Communications Center will facilitate outreach programs in engineering technology to supplement KSU's statewide presence, i.e., engineering technology programs can be delivered to Business and industry statewide via telecommunications and extension programs.
4. Makes two institutions stronger through the reallocation of funds and additionally provides \$4.5 million from the City of Salina to improve facilities and \$2.0 million from the KSU Foundation for student scholarships. These are dollars that will enhance opportunities from sources other than the State General Fund.
5. Provides an associate degree from Kansas State University, a nationally recognized institution. The prestige of such a degree will greatly enhance enrollments and service to Kansas industry.
6. Demonstration of legislative commitment to an improvement and enhancement of institutional missions and educational services to the State of Kansas through reallocation of resources and reduction of administration.
7. "In relation to...the development of engineering technology skills in the workforce, I am convinced that our total state effort is weak by just about any standard, and particularly at the associate degree level with a focus on applied technology. We have just not put much emphasis on it. I believe this proposal (KSU/KCT merger) would be a significant step in the direction of enhancing our state capacity and opportunity for a better trained and more technologically competent workforce. The whole emphasis in economic development, both here and abroad, has shifted to the human capital and technology/innovation areas. This would be a major step in that direction."

Anthony L. Redwood
Professor & Executive Director
Institute for Public Policy and Business Research
University of Kansas

MARCH
29
1991

KANSAS STATE UNIVERSITY - SALINA
COLLEGE OF TECHNOLOGY

SUMMARY

PURPOSE

In October, 1989, the Kansas Board of Regents established a task force to study and make recommendations regarding the future of Kansas College of Technology. On May 30, 1990, the task force recommended a merger of Kansas College of Technology with Kansas State University, with the new name of "Kansas State University - Salina, College of Technology". The task force believes that a merger of Kansas College of Technology into Kansas State University will strengthen both institutions and provide significant benefits.

FUNDING

The total cost of the merger is \$10.44 million. It will be raised by the following sources:

<u>Funding Source</u>	<u>Amount</u>	<u>Purpose</u>
KSU Foundation	\$2.00 Million	Scholarships
Revenue Bonds/Dorm Fees	\$1.35 Million	Residence Hall
State of Kansas	\$1.59 Million	Aeronautical Center Ad. (20 year pay back to the Salina Airport Authority)
Sale of south KCT campus	\$1.00 Million	Capitol Improvements, Equipment & Scholarships
Salina sales tax proceeds	* <u>\$4.50 Million</u>	Capital Improvements
Total	\$10.44 Million	

* Includes \$400,000 for Residence Hall Construction.

CAPITAL IMPROVEMENTS

There is adequate space for most of the academic and administrative activities of the two and four year programs, without additional construction. However, there are several areas that need to be addressed: 1) better quality and additional laboratories for the expanding aeronautical program and the mechanical/manufacturing curriculum, 2) library space for stacks and study, 3) housing and related facilities on campus, 4) large lecture hall for academic and other college activities, 5) centrally located student services that are convenient and convey a positive image.

Plans are to sell the south campus and to vacate/remove as many sub-standard buildings as possible. These measures should provide revenues for other needs, reduce utilities and maintenance costs and improve the appearance of the main campus. The following diagram summarizes the capital improvement projects:

HOUSE EDUCATION
Attachment 3
April 12, 1991

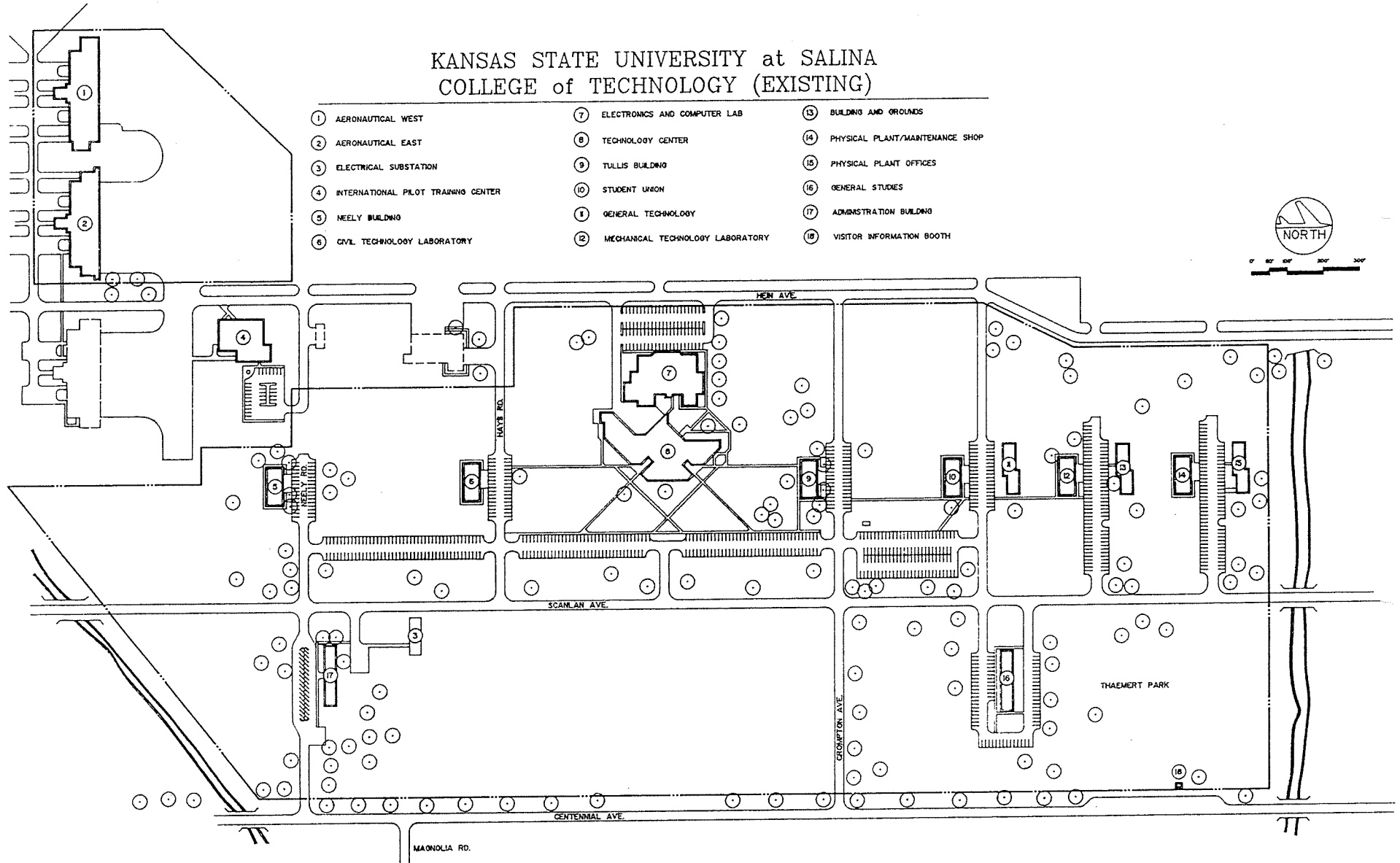
<u>PROJECT</u>	<u>APPROX. GSF</u>	<u>BUDGET</u>	<u>COMPLETION</u>	<u>REPLACES</u>
Aeronautical Center Ad. (labs, offices, class rooms, support space)	30,248	\$1,590,000	Aug '92	Neely Building Aero East Aero West
College Center (cafeteria, student union, bookstore, administrative/ student service offices, 300 seat lecture room support space)	18,915	\$2,400,000 ^S	Dec '93	Cafeteria on South Campus Student Union Tullis Building Admin. Building
Residence Hall (resident rooms for 200 students, lobby, individual bath rooms, support space)	19,305	* \$1,750,000 (400,000) ^S	Jul '93	Residence Hall on South Campus
Technology Center Addition (Library stack/study space, mechanical lab space, support space)	6,500	\$700,000 ^S	Apr '94	Civil Lab Building
North Boundary Road		\$250,000 ^S	Apr '92	
South Boundary Road		\$60,000 ^S	Feb '94	
Campus Entrance Road		\$75,000 ^S	Oct '91	
Infrastructure/Equipment		\$615,000 ^S	Jan '94	
Subtotal	74,908	\$7,440,000		
KSU Foundation		\$2,000,000		
Sale of South Campus		\$1,000,000		
TOTAL	74,968	\$10,440,000		

S = \$4.5 M. SALINA
SALES TAX

*\$1,350,000 from Revenue Bonds/Dorm Fees & \$400,000 from Salina Sales Tax Proceeds.

KANSAS STATE UNIVERSITY at SALINA COLLEGE of TECHNOLOGY (EXISTING)

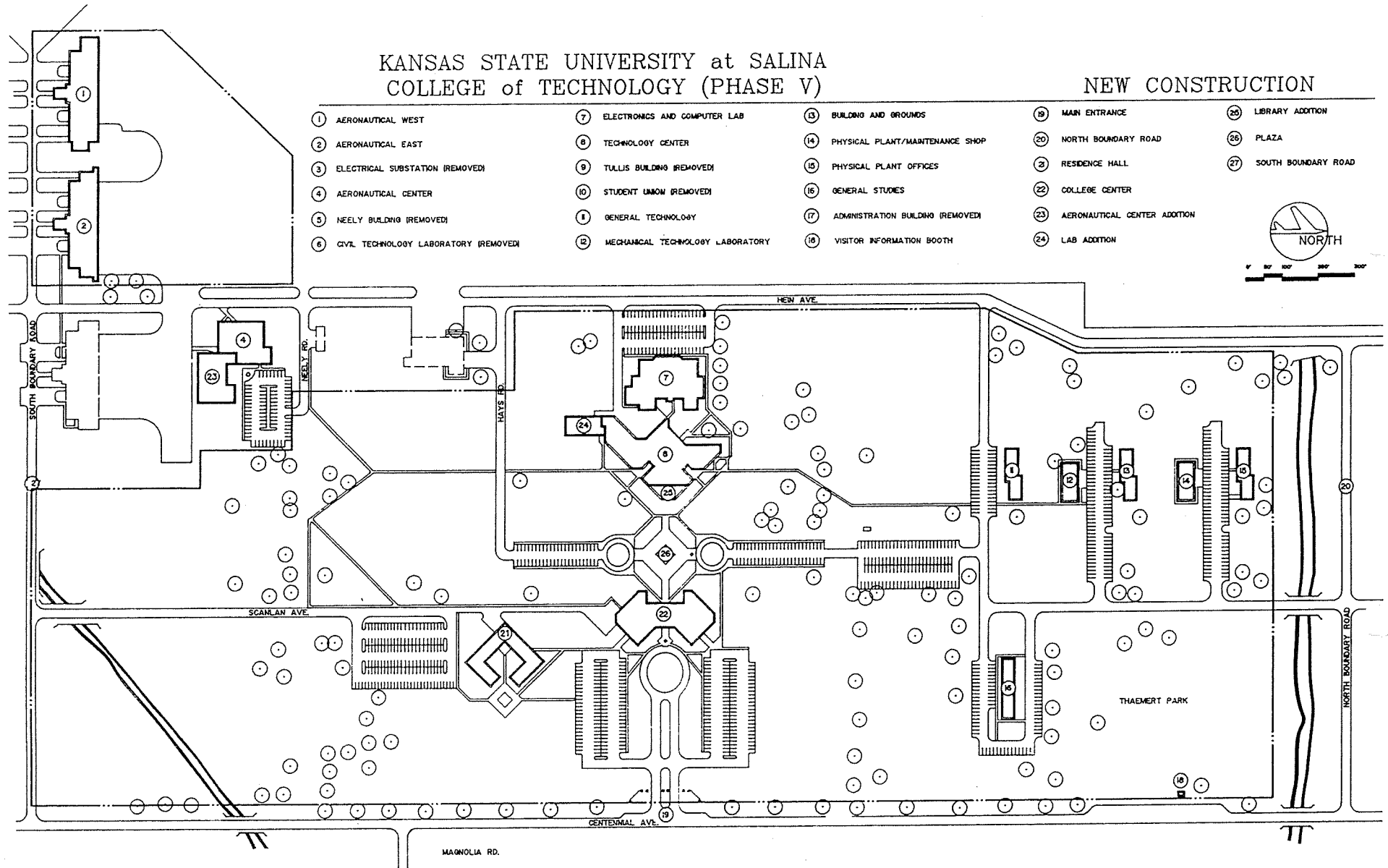
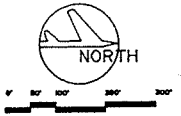
- | | | |
|---------------------------------------|------------------------------------|-----------------------------------|
| ① AERONAUTICAL WEST | ⑦ ELECTRONICS AND COMPUTER LAB | ⑬ BUILDING AND GROUNDS |
| ② AERONAUTICAL EAST | ⑧ TECHNOLOGY CENTER | ⑭ PHYSICAL PLANT/MAINTENANCE SHOP |
| ③ ELECTRICAL SUBSTATION | ⑨ TULLIS BUILDING | ⑮ PHYSICAL PLANT OFFICES |
| ④ INTERNATIONAL PILOT TRAINING CENTER | ⑩ STUDENT UNION | ⑯ GENERAL STUDIES |
| ⑤ NEELY BUILDING | ⑪ GENERAL TECHNOLOGY | ⑰ ADMINISTRATION BUILDING |
| ⑥ CIVIL TECHNOLOGY LABORATORY | ⑫ MECHANICAL TECHNOLOGY LABORATORY | ⑱ VISITOR INFORMATION BOOTH |



KANSAS STATE UNIVERSITY at SALINA COLLEGE of TECHNOLOGY (PHASE V)

NEW CONSTRUCTION

- | | | | | |
|---|------------------------------------|-------------------------------------|--------------------------------|-----------------------|
| ① AERONAUTICAL WEST | ⑦ ELECTRONICS AND COMPUTER LAB | ⑬ BUILDING AND GROUNDS | ⑲ MAIN ENTRANCE | ⑳ LIBRARY ADDITION |
| ② AERONAUTICAL EAST | ⑧ TECHNOLOGY CENTER | ⑭ PHYSICAL PLANT/MAINTENANCE SHOP | ⑳ NORTH BOUNDARY ROAD | ㉑ PLAZA |
| ③ ELECTRICAL SUBSTATION (REMOVED) | ⑨ TULLIS BUILDING (REMOVED) | ⑮ PHYSICAL PLANT OFFICES | ㉒ RESIDENCE HALL | ㉒ SOUTH BOUNDARY ROAD |
| ④ AERONAUTICAL CENTER | ⑩ STUDENT UNION (REMOVED) | ⑯ GENERAL STUDIES | ㉓ COLLEGE CENTER | |
| ⑤ NEELY BUILDING (REMOVED) | ⑪ GENERAL TECHNOLOGY | ⑰ ADMINISTRATION BUILDING (REMOVED) | ㉔ AERONAUTICAL CENTER ADDITION | |
| ⑥ CIVIL TECHNOLOGY LABORATORY (REMOVED) | ⑫ MECHANICAL TECHNOLOGY LABORATORY | ⑱ VISITOR INFORMATION BOOTH | ㉕ LAB ADDITION | |



KANSAS AIR NATIONAL GUARD
190TH MISSION SUPPORT SQUADRON
FORBES FIELD (ANG), TOPEKA, KANSAS 66619-5000

TO: DPM

5 Apr 91

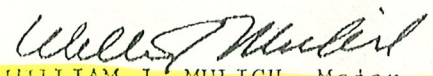
SUBJECT: Letter of Appreciation

TO: Larry Pankratz

1. I thought I would drop you a quick note and say thanks for all your work in getting your institution's programs up and running here at Forbes.

2. I would also like to note that the training our maintenance personnel received was invaluable during our recent Saudi Arabia mobilization. Many of the maintenance folks commented that the training they received from the Kansas College of Technology contributed to the overall success of our mission.

3. Again thanks. I look forward to continuing our current programs with you and would like to explore the possibility of expanding them in the near future.



WILLIAM J. MULICH, Major, Ks ANG
Director of Personnel

ENC



DEPARTMENT OF THE AIR FORCE
384TH MISSION SUPPORT SQUADRON (SAC)
MCCONNELL AIR FORCE BASE, KANSAS 67221-5000



REPLY TO
ATTN. OF:

384 MSSQ/MSE (David McConnaughay, 652-4242)

5 April 1991

SUBJECT:

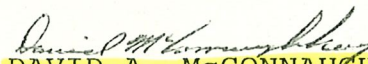
Kansas College of Technology Program at McConnell Air Force Base

TO:

Dr. Jerry Cole

1. Kansas College of Technology is currently offering an Airframe and Powerplant Review program at McConnell Air Force Base. The program meets the needs of our military aircraft maintenance personnel. A combination of their experience and the refresher courses provided through your institution allow them to successfully take the Airframe and/or Powerplant test in one year. McConnell Air Force Base needs the refresher courses provided through this type of program. The availability of this program has prepared our active duty member to be competitive in the job market after leaving the Air Force.

2. It is critical that we have a college level regionally accredited program. Kansas College of Technology has met the needs of McConnell Air Force Base and I look forward to the continuation of this relationship.


DAVID A. MCCONNAUGHAY, GM-13
Education Services Officer

NATIONAL INSTITUTE FOR AVIATION RESEARCH
Campus Box 88 - Wichita State University
Wichita, KS 67208-1596
(316) 689-3678
Fax 316-689-3175

To Whom It May Concern:

Date: April 10, 1991

Fax No: 913-826-1512

Number of Pages Sent: 1
[Including cover sheet]

Notes:

As Director of the aviation management program at WSU, I foresee no conflicts between the proposed KCT\KSU merger. The State of Kansas would benefit tremendously from the continuation of the current aviation offerings at KCT. The state would benefit further if these programs were extended to four-year degrees.

Since KCT does not intend to offer a program in aviation management, the potential for duplication of academic programs does not exist. WSU does not have the capabilities\facilities to offer the flight and maintenance programs offered by KCT. Furthermore, I am not aware of any concern which has been expressed by my colleagues in aerospace engineering about potential conflict with that area.

KSU\KCT has included me in their planning committee out of a sincere concern to be responsive the aviation academic interests of other Kansas institutions of higher education. I plan to continue representing those interests.

Kansas should take pride in its aviation heritage. It is disheartening that Kansas residents have to leave the state to get a four-year degree in aviation maintenance or professional flight. If this state wants to continue promoting itself as an aviation state which is the home of the "Air Capitol of the World," I urge you to support the KCT\KSU merger.

Testimony Before the Kansas House
Education Committee
The Honorable Rick Bowden, Chairman

Senate Bill 22

Kansas College of Technology/
Kansas State University Merger

April 12, 1991

By:

Timothy F. Rogers, Executive Director
Salina Airport Authority

HOUSE EDUCATION
Attachment 4
April 12, 1991

The Salina Airport Authority has been asked to provide an aeronautical classroom building and a new aeronautical laboratory building for the future Kansas State University's Salina College of Technology.

The Joint Committee for State Building Construction has recommended that the State lease from the Salina Airport Authority, the existing 14,300 sq. ft. aeronautical classroom building with a 15,048 aeronautical laboratory addition constructed by the Salina Airport Authority for use by the Kansas State University-Salina aeronautical department. The classroom building will accommodate the aeronautical department's need for improved office and classroom space. The 15,048 sq. ft. addition to the existing classroom building will accommodate the requirement for new aviation technology laboratories. The costs to lease the aeronautical center with the option to purchase the facility are summarized as follows:

	Monthly	Annual
	<u>Rental</u>	<u>Rental</u>
<u>K-State Salina Aeronautical Center</u>		
14,300 sq. ft. Existing Classroom Bldg. (\$737,168 project costs)	\$8,250	\$99,000
15,048 sq. ft. Laboratory Addition (\$852,900 project costs)	<u>7,537</u>	<u>90,446</u>
TOTAL RENTAL	\$15,787	\$189,446
(Total Project cost of \$1,590,068)		

The new aeronautical center and associated equipment purchases



are needed in order to enable the KSU, Salina College of Technology to train more individuals to be employed in the State's diverse aviation industry. Kansas aircraft manufacturers alone employ over 37,500 people. Boeing, Beech, Cessna, Learjet and Piaggio require more of the well-trained aviation technologists that an improved KSU, Salina aeronautical department can produce.

Current enrollment in the aeronautical department is:

65	Professional pilot students
70	Airframe and powerplant mechanic students
0	Avionics and flight instrumentation students

With the proposed building improvements and the purchase of new avionics technology equipment with cost savings which result from the merger, the aeronautical department's enrollments would increase as follows:

125	Professional pilot students
200	Airframe and powerplant mechanic students
75	Avionics and flight instrumentation students

Please consider the following benefits of an upgraded K-State, Salina aeronautical department:

* Kansas aviation-related industries can continue to grow if these industries can employ increased numbers of graduates

from the K-State, Salina aeronautical department. Continued growth of our existing aviation industry benefits all Kansans.

- * Kansas can recruit additional aviation-related industries if these industries can rely on increased numbers of graduates from the K-State, Salina aeronautical department. Additional high-paying jobs will benefit all Kansans.

- * An upgraded K-State, Salina aeronautical department will attract young Kansans who would not otherwise attend any other school of higher education. Encouraging young Kansans to continue on to higher education benefits all Kansans.

The merger that you are considering benefits all of Kansas, because it results in a better trained work force. The availability of additional and better trained aviation technologists enables the State of Kansas to be more competitive in retaining aviation-related jobs, and in creating new aviation-related jobs. In addition to aviation technologists, the K-State, Salina College of Technology will produce more and better trained engineering technologists in the fields of electrical, mechanical, civil and chemical engineering. These graduates will be employed throughout the State at businesses requiring their skills. This better trained labor pool will help the State to retain jobs and attract new industry that will create new jobs.

By approving the merger, you will enable the State of Kansas

to provide industry with better trained aviation and engineering technologists which benefits all Kansans.

The Salina Airport Authority respectfully requests your approval of Senate Bill 22.



Office of the Provost

Anderson Hall
Manhattan, Kansas 66506
913-532-6224

April 11, 1991

TO: House Education Committee
FROM: James R. Coffman, Provost *James R. Coffman*
RE: Merger of Kansas College of Technology with Kansas State University

Leveraging Resources and Enhancing Academic Programs

K-State appreciates the opportunity to address the committee on this matter; I will summarize briefly the means by which resources will be better utilized and academic programs improved at the same time.

As the committee is aware, this is a unique undertaking - and an excellent example - involving the collaboration of the Board of Regents, a progressive municipality, state government and two Regents institutions.

The five basic objectives of the merger are:

- (1) Consolidate the campus and provide at least \$9.1 million in capital improvements.
- (2) Increase F.T.E. enrollment from 400 to 800 students by 1995.
- (3) Develop the private capacity to award at least \$200,000 per year in scholarships by 1995.
- (4) Identify at least \$450,000 from existing budget to augment funding for equipment and library.
- (5) Continue to emphasize two-year technology programs and develop a four-year degree program in engineering technology, funding necessary for new faculty positions from existing resources.

From a programmatic point of view, the project is predicated on several facts:

HOUSE EDUCATION
Attachment 5
April 12, 1991

- (1) The technology programs at the Kansas College of Technology (KCT) are seriously undersubscribed with at least 100% capacity above current enrollments. This relates, in part, to the cost of student recruitment.
- (2) The program as it now exists at KCT is not sustainable due to unacceptable quality and distribution of physical facilities and equipment - the worst of which is student housing.
- (3) In attempting to fulfill the role of a free-standing campus, KCT is heavily over-administrated.
- (4) K-State has an excellent Engineering program, which includes a four year degree in Engineering Technology with options in electronics and mechanical. The sustainability of quality engineering programs at K-State is threatened due to lack of funding. Specific deficiencies include low faculty salaries, an inadequate number of graduate teaching assistants and inadequate replacement and maintenance of equipment.
- (5) K-State also has a proven track record in administrative areas where KCT needs support. For example, when recruitment of students into the very excellent opportunities provided by KCT's technology programs is incorporated into K-State's existing pre-admission program the per student cost is vastly reduced.

These problems and opportunities will be addressed through a strategy which:

- (1) Addresses the deficiencies in KCT's physical plant and equipment through municipal funding, revenue bonds and \$2M in state funds for the aeronautical building approved several years ago by the Board of Regents.
- (2) Markedly reduces administrative costs at KCT.
- (3) Reduces administration and released funds will be used to address equipment shortfalls and to hire teaching faculty in place of administrators.
- (4) The four year Engineering Technology program at K-State in Manhattan will be phased out over four years. The resources in this program will remain in the College of

Engineering at K-State-Manhattan, to address existing shortfalls, primarily in electrical and mechanical engineering.

- (5) A 2+2 (four year) Engineering Technology degree will be established at KSU-Salina, using current existing capacity and new faculty paid for with funds currently spent on administration.

These events will result in a high quality technology program - emphasizing areas of key importance to the diversification of the Kansas economy, which will be adequately housed. It will do as originally intended; enhance a well trained technology work force, based first and foremost on two year degree programs, enhanced by a 2+2 bachelor's program. At the same time, existing engineering programs at K-State will be enhanced.

TESTIMONY ON THE KSU/KCT MERGER
APRIL 12, 1991
DONALD E. RATHBONE, DEAN
COLLEGE OF ENGINEERING, KANSAS STATE UNIVERSITY

I first want to thank the committee for providing me the opportunity to testify on the need for the four year engineering program at the proposed KSU-Salina College of Technology. The concept that evolved out of the proposed transfer of the above program from Manhattan to Salina was to structure the program in Salina in a rather unique way that would allow the Salina campus to be a state-wide coordinating program in Engineering Technology (ET). Most ET programs in the country today would be classified as engineering look-alike programs, that is, programs that have the basic courses in the freshman and sophomore years, such as mathematics, english, chemistry, and the majority of the ET programs in the junior and senior years. The major difference between the ET programs and engineering are the math and science levels, the practical applications and the lack of a major design component in the ET programs. The ET programs had their major beginnings in the late 60's and early 70's when the engineering graduate had become more scientific-oriented with less concern of hands-on applications as opposed to basic designs. They have filled a void in the country and have grown tremendously over the last twenty years.

The concept that KSU and KCT developed for the proposed ET program in Salina is similar to what I will call a "spread out" curriculum which would permit a 2 plus 2 program and would allow students from the other 30 plus two year technology programs in the state to transfer to Salina and complete a four year program there, if desired. What I mean by the spread out concept is one in which the technology courses would be offered throughout the four year curriculum with very careful selection of the ET courses in the first two years that permit them to be both building blocks for the next two years and yet strong enough for a two year graduate to be effective in industry. Pennsylvania State University has offered just such a program in Pennsylvania at over twelve locations with their coordinating program located in Harrisburg and called the Capital Campus. Our approach would be similar to this and thus would provide, in my opinion, a very significant contribution to the State of Kansas in terms of industrial and economic development.

KCT programs in its Aeronautics Division are very unique to the state and have considerable potential for us.

When we were in the planning stages for the transfer of our four year program in ET to Salina, Provost Coffman and I made a trip to Wichita to talk with Boeing, NCR, Beech and Koch Industries to ascertain their interests in this program and their opinion of the present graduates of the two year programs. In all cases, we met with groups of managers from throughout the company. At Boeing, we had a group of 8 or so key individuals in the various areas related to the disciplines that we offer in ET at Manhattan and at Salina. All were very complimentary of the two year graduates that they had been receiving from KCT and of the four year graduates from Manhattan.

I also talked two weeks ago with some of my four-year ET graduates who worked for Exxon. The College has also had some interaction with local companies. All of the above groups were very positive about engineering technology. It is my opinion that the proposed program at Salina has considerable potential if it receives the proper leadership. It would be a strong state-wide coordinating program, as I mentioned above, and would certainly also help the state in terms of economic development for the future. I feel that these kinds of graduates can be very helpful to the small company in the state as well as the large, although we did not survey them to get their inputs directly.

It might be helpful to have a point of reference on the equipment costs of engineering education. I feel the costs for ET would be very comparable to that for an engineering graduate since ET is so laboratory-intensive. A recent study was done by the National Society of Professional Engineers (NSPE) in 1989 entitled, Engineering Education Problems: Laboratory and Computer Problems. In that document, in the Executive Summary, they mentioned that the average dollars per B.S. graduates in engineering spent for equipment in 1989 was \$3,524.00. This number represents an on-going program which has already been established and thus includes primarily updating the equipment, replacing the equipment or, as appropriate, adding new equipment in emerging fields. A program that averages over 60 graduates per year would thus cost over \$200,000 to maintain, not including start-up costs.

In summary, the need for this program can only be justified based on the goals and aspirations of the state. If we want to provide support to our industries and economic development while simultaneously providing career opportunities for our young people, I consider it an excellent investment. I do feel that this program has special factors that make it unique and thus hopefully a major plus for the State.

Key Factors on the Salina Merger

DER-4/3/91

1. History of the Engineering Technology Program at Kansas State University, Manhattan

► The Engineering Technology Department was formally established in the College of Engineering at KSU in 1975 without any special or additionally appropriated funds. The faculty positions and OOE for the department were taken from the other units in the college with the expectation that, with enrollment increases, enrollment adjustment monies would be forthcoming to compensate those units that lost positions and OOE to Engineering Technology. This never happened. ► The College has tremendous growth during the late 70's and never did even come close to re-establishing its student faculty ratios of the early 70's. ► Note the following example.

► Example--College of Engineering, KSU

	<u>1--UG Students</u>	<u>2--Grad. Students</u>	<u>1+2</u>	<u>3--Full-time Faculty</u>	<u>1 + 2 / 3 Gross Student/ Faculty</u>
1973	950	~ 135	1085	85	12.8
1990	2613	~ 262	2875	114	25.2

► As is obvious from the above example, the student-faculty ratios have more than doubled in the past two decades. The College's student-faculty ratio is very high. As was stated in the electrical engineering department's accreditation visit of 1987, relative to faculty positions, "Currently there are twenty faculty members with thirty percent more students. This is still significantly short of what is needed."

2. Present Status of the Engineering Technology Program

The Engineering Technology program is presently nationally accredited by ABET with the following positions and budget from state monies for FY 91:

7 Full-time Tenured Faculty	\$318,407
Fringe Benefits	<u>75,605</u>
Total	\$394,012
1 Secretary	\$ 17,896
Fringe Benefits	<u>4,094</u>
Total	\$ 21,990
OOE	\$ 20,122
Student Help	<u>4,737</u>
Total	\$477,981

Note that all faculty are tenured and that over 82% of the monies are in faculty salaries. Over 87% of the budget is in total salaries.

3. Original Proposed Phase Out Plan, at KSU, Manhattan, 1991-94

Engineering Technology requires 126 hours for graduation, 64 hours of core courses and 62 hours of area specialization courses.

Year One

170-180 students, 7 faculty (including DH)

Year Two

~ 125 students, 6 faculty (including DH)

Year Three

~ 70 students, 4 faculty

The proposed merger plan would eventually (1) transfer the four electronic engineering technology professors to electrical engineering and to computer engineering and (2) the three mechanical engineering technology professors to mechanical engineering. This would be done over a four year period and would be an effective and efficient match that would help reduce the large student/faculty ratios in these departments.

Also, the secretary would be reassigned to mechanical engineering, and the OOE and Student Help funds would be divided between the departments, 40% to mechanical engineering and 60% to electrical and computer engineering.

4. Past Precedence

It should be noted that Wichita State University closed out their engineering technology program and used that departments resources to strengthen their appropriate engineering programs. They were applauded for this consolidation.

Emporia State University is phasing out a small program in Family Science.

Kansas State University is doing a similar thing as the above schools, only keeping the ET program alive by transferring it to Salina and utilizing administrative overhead there to provide the necessary funds to support the program. KSU would pick up some of the administrative costs at Salina at no cost to the state.



REPLY TO
ATTENTION OF

DEPT. OF THE ARMY AND AIR FORCE
NATIONAL GUARD OF KANSAS
ADJUTANT GENERAL OF KANSAS
P.O. BOX C-300
TOPEKA, KANSAS 66601-0300



PRESENTATION
FOR
HOUSE EDUCATION COMMITTEE
SENATE BILL NO. 22
FRIDAY, APRIL 12, 1991

MISTER CHAIRMAN AND MEMBERS OF THE COMMITTEE:

GOOD MORNING. MY NAME IS MISTER CHARLES BREDAHL. I AM THE SPECIAL ASSISTANT TO THE ADJUTANT GENERAL. I HAVE COME BEFORE YOU TODAY TO TESTIFY ON BEHALF OF SENATE BILL 22 CONCERNING THE MERGING OF KANSAS COLLEGE OF TECHNOLOGY WITH KANSAS STATE UNIVERSITY.

*THE NATIONAL GUARD HAS IMPROVED ITS FACILITIES IN SALINA BASED ON THE ASSUMPTION THAT THE KANSAS COLLEGE OF TECHNOLOGY WOULD BE A VIABLE INSTITUTION SUPPORTING THE AVIATION BATTALION WITH ASSOCIATE AND BACHELOR DEGREE PROGRAMS IN ENGINEERING TECHNOLOGY.

*WITH A STRONG PROGRAM UNDER ONE INSTITUTIONAL BANNER WITH THE BOARD OF REGENTS, THIS WOULD GIVE THE NATIONAL GUARD STRENGTH TO ATTRACT SOLDIERS AND AIRMEN FROM SURROUNDING STATES TO BE HOUSED AND TRAINED IN SALINA.

*CLEARLY, THE OUTCOME OF OPERATION DESERT STORM FURTHER CONFIRMS THAT ENGINEERING AND AVIATION TECHNOLOGY ARE THE WAVE OF THE FUTURE. IT WOULD BE A GRAVE MISTAKE BY THIS COMMITTEE TO NOT SUPPORT ~~FUNDING OF~~ THIS PROPOSED MERGER OF THE KANSAS COLLEGE OF TECHNOLOGY AND KANSAS STATE UNIVERSITY.

HOUSE EDUCATION
Attachment 7
April 12, 1991

*CURRENTLY, ONLY TWO SCHOOLS EXIST IN THIS COUNTRY WHERE SOLDIERS AND AIRMEN CAN RECEIVE THE NECESSARY TRAINING TO BE SUCCESSFUL IN THE NEXT DECADE. THESE SCHOOLS ARE EMBRY-RIDDLE AERONAUTICAL UNIVERSITY AND PARK COLLEGE. NEITHER HAVE THE REPUTATION THAT KANSAS STATE UNIVERSITY COULD BRING TO THIS MARKET.

*THE PENTAGON IS CONTINUALLY SEARCHING FOR A PLACE FOR SOLDIERS AND AIRMEN TO RECEIVE TRAINING IN ENGINEERING TECHNOLOGY. I HOPE AND PRAY THAT THIS COMMITTEE DOES NOT MAKE THE GRAVE MISTAKE OF NOT FUNDING THIS MERGER BECAUSE IT IS TRULY THE WAVE OF THE FUTURE.

THANK YOU FOR YOUR TIME AND PATIENCE.



Student Governing Association

K-State Union
Manhattan, Kansas 66506-2804
913-532-6541

APR 12 REC'D

April 12, 1991

Honorable Speaker of the House Marvin Barkus:

The Kansas State University Student Governing Association fully supports the merger of the Kansas College of Technology with Kansas State University. However, this merger has caused concern about the implementation at both institutions.

The combining of the schools produces questions in the area of student representation. As Senate Bill 22 stands, the administrative aspect of the merger has been completed, but the merger of the student governments at the respective institutions has not been fully addressed. To establish unity among the two bodies, a consolidated student government must be formed to properly represent all students at both campuses.

Section 13 prevents this consolidation of student governments by allowing the Student Body President at Kansas State University, College of Technology at Salina, to maintain an independent voice on the Students' Advisory Committee. The Kansas State University Student Governing Association recommends that Section 13 be amended to allow the Student Body President at Kansas State University, College of Technology at Salina a one-year transition period during which time they will maintain their current seat on the Students' Advisory Committee. After the one-year transition period, the united Kansas State University student body will be properly represented with one voice and one vote on the Students' Advisory Committee.

The students of Kansas State University respect the influence the Student Advisory Committee holds with the Board of Regents and wish to maintain parity among the institutions represented on the Committee.

Sincerely,

Todd A. Heitschmidt
Student Body President

HOUSE EDUCATION
Attachment 8
April 12, 1991