

Nation's Only Space Engineering College Has Top Scientist On Faculty

By LEON DANIEL
CAPE CANAVERAL (UPI)—You won't find any halls of ivy at the nation's only space engineering college.

But what you will find at Brevard Engineering College, about 20 miles down the coast, is a faculty made up of some of the nation's top scientists and engineers.

The part-time instructors lecture in classrooms filled with dedicated students whose average age is 30.

Most of the students and nearly all the faculty members are employed at missile and space technological centers at Cape Canaveral and Patrick Air Force Base.

Sparked by space-race industries which have grown up along the coast near the cape, Brevard is the first college in the United States to offer a master's degree in space technology.

Vine-covered walls would seem out of place at Brevard, where theories chalked on a blackboard may be used the next day in dealing with a real missile-tracking situation. With the rapid advance in space science, some of the school's teachers must write their own textbooks.

While five-year-old Brevard

may be too young to have traditions, it is sophisticated enough to offer such lofty courses as celestial mechanics, space medicine and a long list of subjects in higher mathematics.

The college was established in 1958 by Dr. Jerome P. Keuper, now its president, and a group of scientists who worked with Keuper for the Radio Corporation of America Service Company.

Need More Education
Keuper said they started the college because they saw the need for still higher education for the well-educated people in the space field.

"We learned that many scholars and other space experts hesi-

tated to come to Cape Canaveral because they could not continue their studies here," Keuper said.

Of the school's 700 students, Keuper said about 165 are graduate engineers working for master degrees. The rest of the students are undergraduates, some of whom are taking a few special courses and others who are

working toward a bachelor of science degree.

Keuper takes great pride in his ability to stretch his education dollars, which he spends a good part of his time soliciting from private sources.

"We built this building we're in now for \$7 a square foot," he said proudly, adding that other

school buildings in the area have cost twice as much.

"What we need now is somebody who wants to have his name on a new library building," Keuper said. "I believe we could build it for \$60,000. We already have the books."

Keuper keeps a tight rein on operation costs. He, a single fa-

culty member, a clerk and a janitor are the only full-time employees at the college.

Keuper said the school, so far, has received no local, state or federal aid, but he gave the impression he wouldn't turn it down if it were offered.

Keuper said all of the major

companies near here working on government missile contracts approve of the college as a way for their employees to progress in their fields. Many of these companies make donations to the school as well as pay the tuition of their employees, he said.

Keuper, a 42-year-old native of Newport, Ky., who holds a bachelor of science degree in physics from Massachusetts Institute of Technology and a master's degree in physics from Stanford University, said he is in the education field to stay.

"I intend to devote the rest of my life to building the best space-

science college in the world right here," he said.

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Monday, July 8, 1963

De Gaulle May Take Softer Tones

By PHIL NEWSOM
UPI Foreign News Analyst

Notes from the foreign news cables:
De Gaulle Dilemma:

French President Charles de Gaulle's next big press conference is scheduled for July 30 and is expected to reveal a softer tone both toward Great Britain and the United States. It was at a news conference last January that De Gaulle announced his veto of British membership in the European Common Market, a move which has irritated his relations with his Common Market partners ever since. In last week's visit to Germany, De Gaulle failed either to reach accord with the Germans on the British question or on the question of ridding himself of French farm surpluses. Furthermore, he is nearing the time when he must get along with Ludwig Erhard, who is scheduled to take over this fall as West German chancellor. Therefore, it is expected that his next news conference will deal primarily with a defense of the French position internationally, and especially on her relationship with the Atlantic alliance.

No Hope:

Moscow dispatches now are referring to the "almost hopeless" attempt to salvage anything from the once monolithic Communist bloc that stretched from the Pacific to the Adriatic. In fact they are saying that the exchange of insults between the Soviet Union and Red China make it almost impossible for the two Communist giants to agree even on the simplest matters of normal diplomatic protocol. Moscow observers are predicting a complete Soviet ideological, political and strategic reorientation which may have its effect on the tri-power nuclear test talks to begin in Moscow July 15. U. S. delegate Averell Harriman is expected to arrive in Moscow at the end of this week for preliminary soundings on what appears to be a reasonable chance to break the nuclear deadlock and achieve at least a partial test ban agreement.

Boisterous Youth:

For the last two weeks, rowdy tactics of the minority Socialists have kept the Japanese Diet in an uproar. Opposed to them is a cynical and faction-ridden majority of Conservatives which can ram bills through at any time it wishes. Apologists for this sorry state point out that real parliamentary government in Japan is only 11 years old. Before that, the American occupiers and the emperor, respectively, held the ultimate control. Moreover, the minority Socialists have no chance of winning power in the near future, and this makes them irresponsible. The expressed hope is that in the fullness of time these factors will change and Japanese democracy will thus mature and grow stronger.

Unrest:

The Russians are concerned about desertions of East German border guards, according to reports reaching West Berlin police. The Russians are said to believe that the desertions may show unreliability of the entire East German army.

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Jacoby On Bridge

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▼ K 10 74	▲ J 9 7 6 4 2
WEST (D)	
▲ Q	▲ K 10 9 2
▼ K 10 8 7 4	▼ J 10 5
▲ K Q J 7 5 3	▲ A 10 9 8 4
▲ K	▲ 5
SOUTH	
▲ J 8 5 4	▼ A 6
▼ 3	▲ Q 10 8 3
North and South vulnerable	
West North East South	1 ♥ Pass 1 ♠ Pass
2 ♦ Pass 4 ♣ 4 ♠	Pass Pass Double Pass
Opening lead—♦ K	

Dupe Player Will Gamble

By OSWALD JACOBY
Newspaper Enterprise Assn.

One of the main differences between match point duplicate and rubber bridge is that a duplicate player can take any sort of wild gamble with the certain knowledge that all it can cost him is a bottom score on one board while a rubber bridge player might have to mortgage the family home to pay off his losses if he tried anything of this sort.

At duplicate, when East followed his one spade response to his partner's opening heart bid with a jump to four hearts South decided that he was being fixed. In certain circles a psychic spade response is used after partner opens with one heart and South decided that East had made such a bid. So South took a deep breath and dived to a four-spade contract. East doubled and now South stood by his guns.

West opened the king of diamonds and for some reason or other East let him hold the trick. West shifted to a heart and South went up with dummy's queen. When this held only a couple more things were necessary to bring home the four-spade contract.

South cashed dummy's ace of spades and dropped West's queen. A second spade was won by East's king and East led his singleton club.

South studied a while and rose with the ace. When the king dropped South cashed his jack of spades, conceded one more spade trick and chalked up 700 points and a thoroughly undeserved top score.

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♥+CARD Sense♦

Q—The bidding has been:
South West North East
1 ♠ Pass 2 ♠ Pass
2 ♠ Pass 3 ♠ Pass

You, South hold:
▲ A Q 8 5 3 ♥ 10 9 ♦ K Q 7 ♠ K 9 4

What do you do?

A—Bid three no trump. You have no interest in a slam and every reason to play the no-trump game.

TODAY'S QUESTION

Your partner goes to four no-trump. What do you do now?

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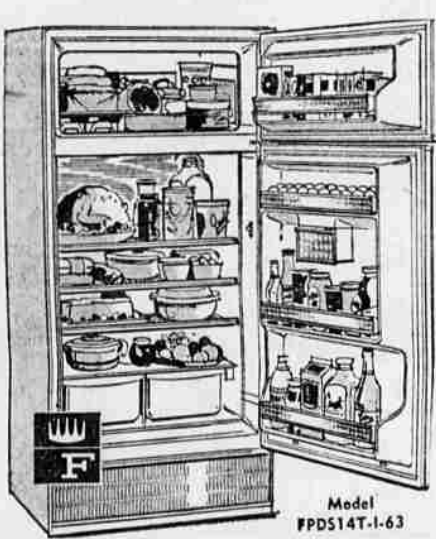
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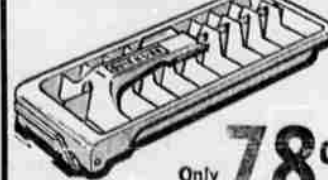
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