

Student says reactions to FAA flight instruction bad

Strict adherence to FAA pilot instruction techniques produces over-reaction to "seat of the pants" flying.

It leads to a "head in the cockpit" type of flying that is equally as dangerous in today's air lanes, according to a Texas A&M student who has a thousand hours flying and 18 months as a pilot instructor.

John E. Richardson of San Antonio believes the Federal Aviation Administration instrument flight teaching techniques need some modification.

Richardson began flying his senior year at Cole High School in San Antonio. He holds commercial pilot rating and has instructed 35 pilots.

The 22-year-old pilot instructor

will complete his bachelor's degree in aerospace engineering this summer. He then plans to enter M.B.A. study here.

Richardson noted in an aero course reported to Dr. C. A. Rodenberger that a 1959 Civil Air Regulations amendment calls for instrument instruction in private pilot licensing requirements.

"The purpose," he said, "is to

produce more capable and safer pilots."

Integrated flight instruction outlined by the FAA sets procedure for training new pilots in the use of instruments required in all aircraft. These include—along with the standard airspeed indicator, magnetic compass and altimeter—an artificial horizon, turn and bank indicator, directional gyro and vertical speed indicator.

The integrated method calls for the instructor to demonstrate a maneuver by visual and instrument reference, followed by student performance by visual and instrument reference, Richardson said. During instrument flight, the student wears a hood, a visored device to eliminate outside visual references.

"The student becomes more capable of flying IFR (instrument) conditions this way," said Richardson, who instructs 25 hours a week for the Texas A&M Aero Club.

It establishes good habits and leads to better monitoring of power settings and better maintenance of headings, altitude and

prescribed airspeeds, he added.

Richardson found agreement among fellow instructors that the integrated methods also presents difficulties.

Certain points need to be emphasized to different students because of character and ability differences. The student is often tense and unsure during the first familiarization flight, making it necessary to postpone integrated instruction.

"Time is the most critical element," Richardson said. "Student pilots incorrectly feel their flying ability is measured by how long it takes them to solo." Using the hood during initial stages of instruction takes time.

"Extended time to solo can cause motivational failure and

student discouragement," he claimed.

Other problems are over-reliance on instruments and over-confidence in aircraft handling. Some instructors feel that the student should first fully understand responses to airplane controls, Richardson said.

His method somewhat modifies presolo training. Flying by visual reference is given first, with complete coverage of aerodynamics and maneuver performance. The maneuver is then reintro-

duced with the student watching instrument references, without the hood.

"The student is then given supervised practice with both visual and instrument references pointed out by the instructor," Richardson explained. "This dual method of accomplishing the maneuver enables the student to develop a technique of scanning instruments to monitor plane performance and still maintain the alertness for outside activity so vital to the pilot."

CS gets Head Start funds

Texas Office of Economic Opportunity Director George P. Taylor has announced state approval of an Office of Child Development grant of \$101,471 in new federal funds to A&M Consolidated Independent School District (ISD) in College Station for Head Start programs.

Funded under Title II of the Economic Opportunity Act, this grant also involves \$2,449 in unexpended funds making a total of \$103,920, and is effective April 1, 1971, through March 31, 1972. Of the money allocated, \$22,371 in new federal funds are for Full

Year (Part Day) Head Start with classes conducted Aug. 1, 1971, through March 31, 1972, and \$79,100 in new federal funds are for Summer Head Start which has been delegated for operation.

A&M Consolidated ISD will conduct two Full Year (Part Day) classes in one center five days a week, 10 hours a day, serving 30 children ages 3-5. Also involved are two teachers, two nonprofessionals and 26 volunteers.

Bryan ISD receives \$57,292 to conduct 20 Summer Head Start classes in one center June 7 through July 30, 1971, five days

a week, five hours a day, serving 305 children ages 5-7. Also involved are 20 teachers, six other professionals, 35 nonprofessionals and 20 volunteers.

I. Eng. prof named to panel

Dr. M. J. Fox, Jr., associate professor of industrial engineering, has been added to the list of National Labor Panel Arbitrators by the American Arbitration Association.

Notification of the appointment was made by Donald B. Straus, president of the organization.

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- Sunday Job 6:24-29
- Monday Psalms 19:7-14
- Wednesday Psalms 119:97-104
- Friday Proverbs 2:1-8
- Tuesday Psalms 107:31-43
- Thursday Psalms 139:1-6
- Saturday Proverbs 8:5-14

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Asst.—Rev. Wesley Seeliger
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8:00 & 10:00 A.M. Worship
9:00 A.M.—Bible Study
5:15 P.M.—Young People's Class
6:00 P.M.—Worship
7:15 P.M.—Aggie Class
9:30 A.M.—Tues., Ladies Bible Class
7:15 P.M.—Wednesday - Bible Study
- FIRST CHRISTIAN CHURCH**
Homestead & Ennis
9:45 A.M.—Sunday School
10:00 A.M.—Morning Worship
5:30 P.M.—Young People
- UNITARIAN FELLOWSHIP**
305 Old Highway 6, South
10:00 A.M.—Sunday Service
7:00 P.M.—Adult Service
305 Old College Road South
- A&M PRESBYTERIAN**
7-9 A.M.—Sun. Breakfast - Stu. Ctr.
9:45 A.M.—Church School
11:00 A.M.—Morning Worship
6:00 P.M.—Sun. Single Stu. Fellowship
7:15 P.M.—Wed. Student Fellowship
6:00 P.M.—Youth Hour
6:45 A.M.—Fri. Communion Service
Wesley Foundation

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Sunday Masses—9:00 and 11:00 A.M.
Saturday Mass—7:00 P.M.
- CHURCH OF THE NAZARENE**
9:45 A.M.—Sunday School
10:45 A.M.—Morning Worship
6:30 P.M.—Young People's Service
7:00 P.M.—Preaching Service
- CHRISTIAN SCIENCE SOCIETY**
9:30 A.M.—Sunday School
11:00 A.M.—Sunday Service
11:00 A.M.—2 P.M.—Tues. Reading Rm.
7:00-8:00 P.M.—Wed., Reading Room
8:00 P.M.—Wed. Evening Worship
- FIRST BAPTIST**
9:30 A.M.—Sunday School
10:45 A.M.—Morning Worship
6:10 P.M.—Training Union
7:20 P.M.—Evening Worship
6:45 P.M.—Choir Practice & Teachers' meetings (Wednesday)
7:45 P.M.—Midweek Services (Wed.)
- SECOND BAPTIST**
710 Eisenhower
9:45 A.M.—Sunday School
11:00 A.M.—Church Service
6:30 P.M.—Training Union
7:30 P.M.—Church Service
- OUR SAVIOUR'S LUTHERAN**
8:30 & 10:45 A.M.—The Church at Worship
9:30 A.M.—Bible Classes For All Holy Communion—1st Sun. Ea. Mo.

- FAITH CHURCH UNITED CHURCH OF CHRIST**
9:15 A.M.—Sunday School
10:30 A.M.—Morning Worship
7:30 P.M.—Evening Service
- COLLEGE HEIGHTS ASSEMBLY OF GOD**
9:45 A.M.—Sunday School
11:00 A.M.—Morning Worship
6:30 P.M.—Young People's Service
7:30 P.M.—Evening Worship
- A&M METHODIST**
9:45 A.M.—Sunday School
10:55 A.M.—Morning Worship
5:30 P.M.—Campus & Career Class
5:30 & 6:00 P.M.—MYF Meetings
- CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS**
26th East and Coulter, Bryan
8:30 A.M.—Priesthood meeting
10:00 A.M.—Sunday School
5:00 P.M.—Sacrament Meeting
- GRACE BAPTIST CHURCH**
2505 S. College Ave., Bryan
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9:45 A.M.—Sunday School
10:50 A.M.—Morning Worship
7:00 P.M.—Prayer and Bible Study
- SEVENTH-DAY ADVENTIST**
North Coulter and Ettie, Bryan
9:30 A.M.—Sabbath School (Saturday)
11:00 A.M.—Worship Service
7:30 P.M.—Prayer Meeting (Tuesday)

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