# Advanced aircraft will be needed in metropolitan areas in future 

| ermetropolitan areas su | nature of the areas, ho |
| :---: | :---: |
| he California coast and Great | tic air passenger |
| areas, predicted by 1980 | necessit |
| extend 400 miles and contain | But the very size and conges- |
| per cent of U. S. population, | tion of supermetro areas will |
| potential air transportation | work to encroach on space vital |
| htmares. |  |

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| senior who studied the problem | be a growing market for the |
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| feels the only way out of the | STOL-port and intra-regional air- |
| dilemma is development of short | port," the latter a massive center |
| dake-off and landing (STOL) air- | for long-range air transportation |
| craft and STOL-ports. | serviced by the STOL aircraft as |
| Donald S. McAlister of Dallas | short-haul transport. |
| concluded in his report to Dr. | To insure smooth traffic flow |
| Charles A. Rodenberger that | in such a system, McAlister said, |
| "there is now and will continue to | federal agencies must establish a |

$\qquad$ Shown that. the higher-cost STOL
attracts more air travelers than
conventional air tran conventional air transport, largely
because it reduces door-to-door trip time.
The stude Highlands High School graduate, considered noise and air pollution
$\qquad$

## Foundation grants A\&M $\$ 745,000$

| Robert A. Welch Foundation grants totaling $\$ 745,000$ for a one-year period have been received by A\&M for support of basic chemistry research. | Jaan Laane, Janos H. Fendler, George I. Glover, Robert A. Levenson and Patrick S. Mariano. | partment. | F. Meyer, Gerard A. Donovan, Roscoe W. Lewis and J. W. Dieckert, Biochemistry and Biophysics Department, Igor V. Sarkissian, Biology Department, and William M. Sackett, Oceanography Department. |  |
| :---: | :---: | :---: | :---: | :---: |
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|  |  | Renewal grants were awarded to Edward A. Meyers, R. A. Zingaro, R. M. Hedges, Dwight C. |  | retary, Baby Sitting, Maid Service Now Being Formed - Call |
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| university's liaison representative with the Houston foundation, said | physics Department, and Edv | Kurt J. Irgolic, Jose |  |  |
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| cluding F. A. Cotton, Karl A | affairs; S. B. Vinson, Entomology Department; Benjamin F. Wat- | science; Robert A. Kenefick and T. W. Adair, Physics Department; |  |  |
| Gingerich, Bernard L. Shapiro, | son, Biology Department, and C. | T. T. Sugihara and Rand L. Wat- |  | (Homefinder B ${ }_{846-1614}$ |
| Minoru Tsutsui, K. E. Harding, | R. Benedict, Plant Sciences De- | son, Cyclotron Institute; Edgar |  |  |

air transport systems. He indi-
cated the population-centered
STOL-ports would help cut down STOL-ports would help cut down
individual vehicle travel to airports, a prime cause of air pollution.
Based on a survey STOL aircraft designs, McAlister feels a high lift turbofan with exfeels a high lift turbofan with ex-
ternally blown flaps is the best design to serve the intra-regional
airport system. at the least cost and lowest noise

Mark Davis wins paper competition graduate student of San Antonio,
won a scholarly paper competi-
tion sponsored by the chapter of the National AssociaDavis' paper, "Feedlot Opera-
tions and An Accounting Foretions and An Accounting Fore-
cast," won in competition with entries from other Texas college
and universities and universities. Davis received

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