Colorado River basin use

Wednesday, June 9, 1971

operations and water uses in the kles said. upper Colorado River basin will Runkles, director of the Texas

The \$30,000 study will include gelo State University and the Ag- O'Connor, a doctoral student. ricultural Research and Extension

A two-year study of reservoir Center at San Angelo, Dr. Run- reservoirs and three proposed res-

Principal investigator is Dr. begin July 1, announced Dr. Jack Robert A. Clark, A&M meteorology professor. He will be assisted by Dr. Chia S. Shih, associate professor of industrial engineering, personnel from Texas A&M, An- and U. S. Air Force Capt. Gary

Clark said the area includes 12

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ervoirs from Lake J. B. Thomas to Lake Buchanan

All the reservoirs were designed separately to solve a particular problem, Clark explained and each is operated as separate units.

He expects the study to show a single operation of the reservoirs would solve some of the severe water shortages for domestic and industrial use in West Texas.

Clark said San Angelo has extreme water problems. The Concho River basin, a tributary of the Colorado, has had extremely low flows since 1962 and its has prevented effective use of three reservoirs in Tom Green County.

Clark will employ both historical data and synthesized hydrometeorological data to determine optimum operation. Included is a study to determine the adequacy of the reservoirs based on historical precedent.

"We are interested in the water supply, not site selection," Dr. Clark emphasized.

"At the same time we will have to consider economic and legal restraints, such as satisfying existing water rights," he said.

Clark said it will not be necessary to yield more water, but to get the water to the places it is needed. A possible solution may be transfer of water from reservoirs through canals or pipelines.

Part of the historical study, Clark explained, will attempt to determine if the region would have the same water problems today if the reservoirs had been operated as one integrated system the past 20 years.

4-H honors 71 teen miss, winners

Winning 4-H teams and individuals were honored at a special awards banquet in Sbisa Hall June 3 as the 1971 edition of the State 4-H Roundup came to a

The 4-H honorees also heard a plea for youth involvement in the anti-pollution fight by Rewa Colette Walsh, Miss Teenage America 1971, from Anaheim, Calif. Miss Walsh told the approximately 2,400 youth, adult leaders and Extension Service agents that "knowledge is a major key for community education, and we need to unite young people to help keep America beautiful." "The anti-pollution battle takes

on new significance when one lives in an area where physical activity must be restricted on certain smog alert days. A fast ne of checkers is often the most activity permitted for teenage girls during these alerts. which might be more accurately labeled poison alerts," Miss Walsh said. She urged all young people to get involved in pollution abatement projects.

Chronicle features

• SLEEVELESS BLOUSES A&M inauguration • SKOOTER SKIRTS

Dr. Jack K. Williams' inauguration as president of Texas A&M, along with the inaugura-tion of Dr. Elliott T. Bowers of Sam Houston State, will be featured in the Sunday issue of the Houston Chronicle's Texas Maga-

The six-page cover story was written by Mrs. Josie Weber with photographs by Darrell Davidson.

In addition to describing inaugural ceremonies at the two institutions, the article in the Chronicle Sunday supplement includes profile-type material based on interviews with the new pres-

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Class project

Water institute will study Student designs powered glider

Incorporation of a small jet signed to keep it aloft by taking rangements cause other problems tane gas and is extremely simple of the control of the contro pendent of a powered-aircraft tow of warm air. has been suggested by a Texas A&M student.

William K. Puckett's arrangement, while not a new idea, encloses the glider's auxiliary power source within the fuselage.

In that location the light-weight jet engine does not intrude into the airstream nor detract from the sailplane's aerodynamics, de-

Residence halls will get summer renovation ers and paint are going into Law

and Puryear Halls as part of

summer renovation projects in-

volving five residence halls. Davis-Gary Hall also is getting an interior paint job, Hotard Hall will have asbestos tile on room and hall floors and new furnishings will go into Law, Puryear, Hart and Walton Halls.

Civilian students reside in the five buildings during Texas A&M's regular school year.

Similar auxiliary power has

been obtained for gliders by mounting small reciprocating engines externally, said Puckett, a spring Texas A&M aerospace engineering graduate of Baytown.

However, the mounting pylon, engine and propeller introduce unwanted drag when the craft is flown as a sailplane. Such ar-

Law and Puryear, 44 and 43-

year-old structures respectively,

are receiving primary attention.

In addition to improved light

fixtures, 206 rooms and ramps of

the buildings will be replastered

and painted in four colors. New

chests of drawers and chairs will

Metal shower stalls will be re-

placed with plaster and ceramic

tile facilities. Exterior work also

is under way. A courtyard be-

tween the buildings was land-

be installed.

scaped earlier.

Puckett's design utilizes a lowcost, 20-pound pulse jet manufactured at Ingram.

"It has no parts and produces 80 pounds thrust," the areo major reported in a paper for Dr. Charles A. Rodenberger, aerospace engineering professor who let students develop ideas in a senior seminar course.

"The engine burns propane-bu-

Blue, gold, green and burgundy

pain used in Law, Puryear and

Davis-Gary was selected by a stu-

dent committee, said Howard Per-

ry, civilian student activities di-

rector. The committee worked

with hall councils, residence ad-

visors and Eugene C. Oates Jr.,

New chairs will also go into

Hart Hall and Walton will be

equipped with new bureaus. Fur-

niture purchase is through the

university's management services,

directed by Howard L. Vestal.

hall programs adviser.

the ground or in the air with small spark-producing device su as a hand-cranked magnet Puckett said.

The Therm-Jet engine open on resonating shock waves has a total burning time of minutes on 10 gallons of fu enabling unassisted takeoff a some powered flight to return sailplane to a selected landi sight.

Puckett figured 100 extra pou would be added to the weight an average sailplane, allowing fuel tanks, mountings, a stair steel shroud and asbestos ins tion to protect the plane's fus lage from engine heat.

Cockpit instrumentation wou include a pressure gauge on fuel system, the magneto, and control to open air scoops to engine for powered flight.

"This type of scoop enable the pilot to reduce drag when engine is not in use and o also serve as air brakes for sailplane, as needed," expla

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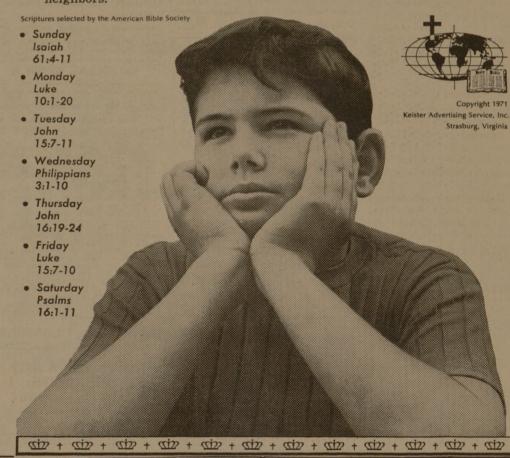
As a boy, I was always disturbed by this Biblical passage in Matthew: "For I have come to set a man against his father and a daughter against her mother . . . He who loves father and mother more than me is not worthy of me.'

In those days of innocence, it seemed that my greatest love should go to Mother and Father. They gave me life, love and visible physical needs

that seemed all-important.

But what I did not understand was that this life of mine came directly from God through my parents. I had tried to separate God's love from the love of Mother and Father. It was through Him that they received the great gift of human love. And because a mother has God's love implanted in her heart, she will instinctively love me. Matthew was emphasizing the fact that God's love must come first and that human love will then follow in its proper perspective.

Take your child with you to church and church school so that both may gain a better understanding of God's will. One who really loves God supremely will invariably develop a deeper love for family, friends and neighbors.



CALENDAR OF CHURCH SERVICES

ST. THOMAS EPISCOPAL 906 Jersey Street, So. Side of Campus Rector: William R. Oxley Asst.—Rev. Wesley Seeliger 8:00 A.M. & 9:15 A.M. Sunday Services

A&M CHURCH OF CHRIST 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

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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. Fellowshi 7:15 P.M.—Wed. Student Fellowship 6:45 A.M.—Fri. Communion Service

ST. MARY'S CATHOLIC Sunday Masses—9:00 and 11:00 A.M. Saturday Mass—7:00 P.M.

CHURCH OF THE NAZARENE

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

9:30 AM—Sunday School
10:45 AM Morning Worship
6:10 PM—Training Union
7:20 PM—Evening Worship
6:45 PM—Choir Practice & Teachers'
meetings (Wednesday)
7:45 PM—Midweek Services (Wed.)

SECOND BAPTIST 710 Eisenhower

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.

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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

CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS 26th East and Coulter, Bryan

GRACE BAPTIST CHURCH 2505 S. College Ave., Bryan An Independent Bible Church 9:45 A.M.—Sunday School 10:50 A.M.—Morning Worship 7:00 P.M.—Prayer and Bible Study

SEVENTH-DAY ADVENTIST CHURCH

North Coulter and Ettle, 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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