

# Meteorologist Probing Clouds From 'Outside-In'

Meteorologists have long dreamed of being able to look at the clouds from the "outside-in" to learn more about the weather. Today, A&M research meteorologists are doing just that, thanks to thousands of photos from TIROS, the Television InfraRed Observation Satellite.

Because of the wealth of information being made available by the satellite transmitting pictures from 450 miles in space, Dr. A. H. Thompson, associate professor of meteorology, is heading up a \$28,000 research project for the Air Force's Office of Aerospace Research.

After a Thor-Delta rocket boosts weather-watching TIROS satellite to its orbit in space, the two cameras go to work and photograph — on command from earth stations — an area some 800 miles wide and several thousand miles long. They store the series of pictures on magnetic tape and then send them to earth to a television receiver. Long strips of 35 mm film record the images on the TV screen. These are what Thompson believes to analyze for weather phenomena.

Using photo data from the "far-weather eye," Thompson and his colleagues are making a three-year study of the weather clouds over the Gulf regions.

Until recently, meteorologists could report weather conditions over only some 10 per cent of the earth's surface because of the lack of observation stations. This was

especially true of the Gulf of Mexico.

Now the A&M researchers can take a regional view — an area stretching from Louisiana to Mexico's Yucatan peninsula and north-west to New Mexico — as they study hundreds of photos.

They are interested in learning more about (1) vertical motions and related cloud patterns, (2) Gulf storm and hurricane development, (3) Gulf fog and stratus clouds along the Texas-Louisiana coast.

It is the task of the research meteorologists to correlate all this new visual information with the weather data that is on record from other ground observations.

"We are looking for interesting weather situations, but not necessarily uncommon ones," Dr. Thompson says. Pointing to an enlargement of a 35 mm photograph, he said, "We look for a particular cloud pattern and ask ourselves: why is it there? why is it lined up as it is? what does it tell us about what will happen?"

In other words, meteorologists do not yet completely know what TIROS is showing them. By relating the TIROS view of the weather to what is actually observed from the ground, more knowledge of weather phenomena is being recorded for future use.

This takes months of patient study, but the over-all goal is to utilize this better way of observing the weather as an aid to forecasting the weather, especially new storm developments.

Related aspects are examined by Thompson's four assistants in the project.

Walter K. Henry, assistant professor of meteorology, is utilizing the TIROS materials in his research on the dew-point front that is part of the regional weather

picture in Texas. The dew-point front is the often sharp line that exists between the dry air of west Texas and the moist air of central and east Texas.

S. J. Hall, instructor in meteorology is working on a study related to identification of the jet-stream — high altitude winds — that may be visible in TIROS photos.

Graduate students, Darryl Randerson and John Hansen are working on a similar project. They are studying cloud developments as a weaker storm front moves through coastal Gulf states.

## House Okays Padre Island National Park

WASHINGTON (AP)—The House Interior Committee approved yesterday a bill to authorize establishment of a national seashore recreational area on Padre Island off Texas.

The measure calls for an 81-mile-long park on the 117-mile narrow island which skirts the coast between Corpus Christi and Port Isabel.

The House committee bill represents a compromise in relation to a measure already passed by the Senate authorizing an 88-mile long park.

As introduced by Reps. Joe Kilgore and John Young, the proposal called for a 65-mile-long seashore area to be administered by the National Park Service.

The north end of the seashore area would include Bird Island, a few miles south of Corpus Christi. The south end would extend to the Willacy-Cameron County line.



H. K. HENRY AND DARRYL RANDERSON ... analyzing TIROS weather data

## Screwworm Loss May Hurt Farms

Practically all Texans have heard about the merits of the screwworm eradication program; how elimination of the pest will aid ranchers.

Less known is the effect the eradication program will have upon the balance of nature.

Dr. W. B. Davis, head of the Department of Wildlife Management feels other species of wildlife will increase in numbers as well.

A population boom is very likely to take place among many other wildlife species that have become adjusted to heavy losses.

Davis said the population increase with all animals will be more evident in about two years, with the fly supposedly a thing of the past.

Any population spurt among game animals must be controlled.

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## CALENDAR OF CHURCH SERVICES

<b>A&amp;M CHRISTIAN CHURCH</b> 8:30 A.M.—Coffee Time 9:45 A.M.—Sunday School 11:00 A.M.—Morning Services  <b>OUR SAVIOUR'S LUTHERAN CHURCH</b> 8:15 & 10:45 A.M.—The Church at Worship 9:30 A.M.—Bible Classes For All Holy Communion—First Sunday Each Month  <b>CHRISTIAN SCIENCE SOCIETY</b> 9:30 A.M.—Sunday School 11:00 A.M.—Sunday Service 10:00 A.M.—12 Noon Tuesdays—Reading Room 7:00-8:00 P.M.—Wed. Reading Room 8:00 P.M.—Wed. Evening Worship  <b>A&amp;M CHURCH OF CHRIST</b> 9:45 A.M.—Bible Classes 10:45 A.M.—Morning Worship 6:45 P.M.—Bible Class 7:15 P.M.—Evening Service  <b>A&amp;M LUTHERAN CHURCH</b> (Missouri Synod) 10:00 A.M.—Aggie Bible Class 11:00 A.M.—Morning Worship Wednesday 7:15 P.M.—Gamma Delta	<b>ST. MARY'S CATHOLIC CHAPEL</b> Sunday—Masses 7:30 and 9:00  <b>CHURCH OF THE NAZARENE</b> 10:00 A.M.—Sunday School 11:00 A.M.—Morning Worship 6:30 P.M.—Young People's Service 7:30 P.M.—Preaching Service  <b>CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS</b> 26th East and Coulter, Bryan 8:30 A.M.—Priesthood meeting 10:00 A.M.—Sunday School 6:30 P.M.—Sacrament Meeting  <b>ST. THOMAS EPISCOPAL CHURCH</b> Sundays 8:00 A.M.—Holy Communion; 9:15 A.M.—Family Service & Church School; 11:00 A.M.—Holy Communion 1st & 3rd Sundays, Morning Prayer 2nd & 4th Sundays; 7:30 P.M. Evensong, Wednesdays 6:30 & 10:00 A.M.—Holy Communion with Laying on of Hands Saints Days 10:00 A.M.—Holy Communion Wednesday 7:10 P.M.—Canterbury; 8:30 P.M. Adult Bible Classes	<b>FAITH CHURCH UNITED CHURCH OF CHRIST</b> 9:15 A.M.—Sunday School 10:30 A.M.—Morning Worship 7:30 P.M.—Evening Service  <b>COLLEGE HEIGHTS ASSEMBLY OF GOD</b> 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  <b>A&amp;M METHODIST CHURCH</b> 9:45 A.M.—Sunday School 10:55 A.M.—Morning Worship 5:30 & 6:00 P.M.—MYF Meetings 7:00 P.M.—Evening Worship  <b>UNITARIAN FELLOWSHIP</b> 4:00-5:30 P.M.—Friday School, YMCA 8:00 P.M.—First four Sundays of each month—Fellowship Meeting, Call VI 6-6888 for further information.  <b>A&amp;M PRESBYTERIAN CHURCH</b> 9:45 A.M.—Church School 11:00 A.M.—Morning Worship  <b>FIRST BAPTIST CHURCH</b> 9:30 A.M.—Sunday School 10:45 A.M.—Morning Worship 6:10 P.M.—Training Union 7:20 P.M.—Evening Worship 7:15 P.M.—Wednesday Worship
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## COLLEGE STATION STATE BANK

of College Station, Texas

at the close of business June 30, 1962, a state banking institution organized and operating under the banking laws of this State and a member of the Federal Reserve System. Published in accordance with a call made by the State Banking Authorities and by the Federal Reserve Bank of this District.

### ASSETS

Cash, balances with other banks, and cash items in process of collection	\$ 904,291.98
United States Government obligations, direct and guaranteed	789,019.47
Obligations of States and political subdivisions	170,960.82
Corporate stocks (including \$9,600.00 stock of Federal Reserve Bank)	9,600.00
Loans and discounts (including \$6,669.54 overdrafts)	2,129,526.00
Bank premises owned \$159,714.67, furniture and fixtures \$44,258.31	203,972.98
Real estate owned other than bank premises	1,201.00
Other assets	10,770.93
<b>TOTAL ASSETS</b>	<b>\$4,219,343.18</b>

### LIABILITIES

Demand deposits of individuals, partnerships, and corporations	\$2,299,269.93
Time and savings deposits of individuals, partnerships, and corporations	797,412.00
Deposits of United States Government (including postal savings)	282,877.58
Deposits of States and political subdivisions	467,587.14
Other deposits (certified and officers' checks, etc.)	12,622.02
<b>TOTAL DEPOSITS</b>	<b>\$3,859,768.67</b>
(a.) Total demand deposits	2,976,643.03
(b.) Total time deposits	883,125.64
<b>TOTAL LIABILITIES</b>	<b>\$3,859,768.67</b>

### CAPITAL ACCOUNTS

Capital (Common stock, total par value)	\$ 200,000.00
Surplus	120,000.00
Undivided profits	39,574.51
<b>TOTAL CAPITOL ACCOUNTS</b>	<b>\$ 359,574.51</b>
<b>TOTAL LIABILITIES AND CAPITAL ACCOUNTS</b>	<b>\$4,219,343.18</b>

I, Robert L. Ayres, Cashier, of the above-named bank do hereby declare that this report of condition is true and correct to the best of my knowledge and belief.

(Signed) Robert L. Ayres

We, the undersigned directors attest the correctness of this report of condition and declare that it has been examined by us and to the best of our knowledge and belief is true and correct.

H. E. Burgess  
 L. G. Jones  
 Harold Sullivan  
 Directors

State of Texas, County of Brazos ss:  
 Sworn to and subscribed before me this 11th day of July, 1962.  
 Loraine S. Lueckemeyer, Notary Public

# FIRST DATE



THE CHURCH FOR ALL... ALL FOR THE CHURCH

The Church is the greatest factor on earth for the building of character and good citizenship. It is a storehouse of spiritual values. Without a strong Church, neither democracy nor civilization can survive. There are four sound reasons why every person should attend services regularly and support the Church. They are: (1) For his own sake. (2) For his children's sake. (3) For the sake of his community and nation. (4) For the sake of the Church itself, which needs his moral and material support. Plan to go to church regularly and read your Bible daily.

It was in May, several years ago that Mildred moved next door. That was a break for Eric. It is so easy to get acquainted with one's neighbors.

The first date naturally called for careful strategy. You don't want to seem too eager — but you want to know what she likes... and what she's like. Eric's and Mildred's first date was a Youth Fellowship supper at the church.

Eric happens to be a leader of this group. And Mildred happens to be an earnest Christian girl.

Of course, *happens* is a very broad word. It means that Eric's and Mildred's parents had once decided that a son or a daughter ought to be given the advantage of religious training.

Now Eric and Mildred are engaged. And everybody says they were meant for each other. And the altar before which they take their vows will be the heart of the religious life of their family. Thus it happens!

Sunday Genesis 24:15-27	Monday Genesis 24:61-67	Tuesday Ruth 4:13-17
Wednesday Mark 10:2-9	Thursday Hosea 2:14-20	Friday I Peter 3:1-7
Saturday I Corinthians 7:1-7		

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