# PROJECT 10073 RECORD

| | |
|---|---|
| 1. DATE - TIME GROUP<br>30 April 49 01/0415Z | 2. LOCATION<br>Albuquerque, New Mexido |
| 3. SOURCE<br>Civilian | 10. CONCLUSION<br>Astro (METEOR) |
| 4. NUMBER OF OBJECTS<br>One | |
| 5. LENGTH OF OBSERVATION<br>Two seconds | 11. BRIEF SUMMARY AND ANALYSIS<br>Observer sighted a round blue-green object. It was very bright and heading West. It simply went out after about two seconds. |
| 6. TYPE OF OBSERVATION<br>Ground-Visual | |
| 7. COURSE<br>West | |
| 8. PHOTOS<br>☐ Yes<br>☒ No | |
| 9. PHYSICAL EVIDENCE<br>☐ Yes<br>☒ No | |

FORM

940

3514

31°45'00"

106°22'30"

857

856

369

855

368

367

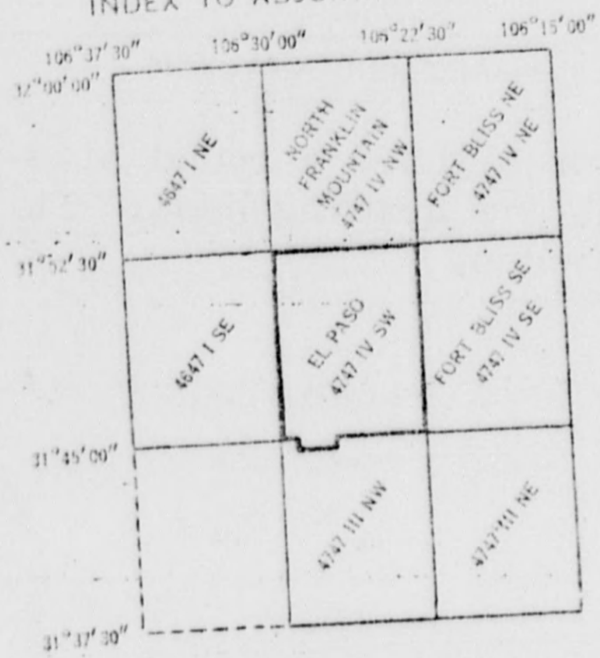
154

ARMY MAP SERVICE, CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY. 630248

1948

5-43

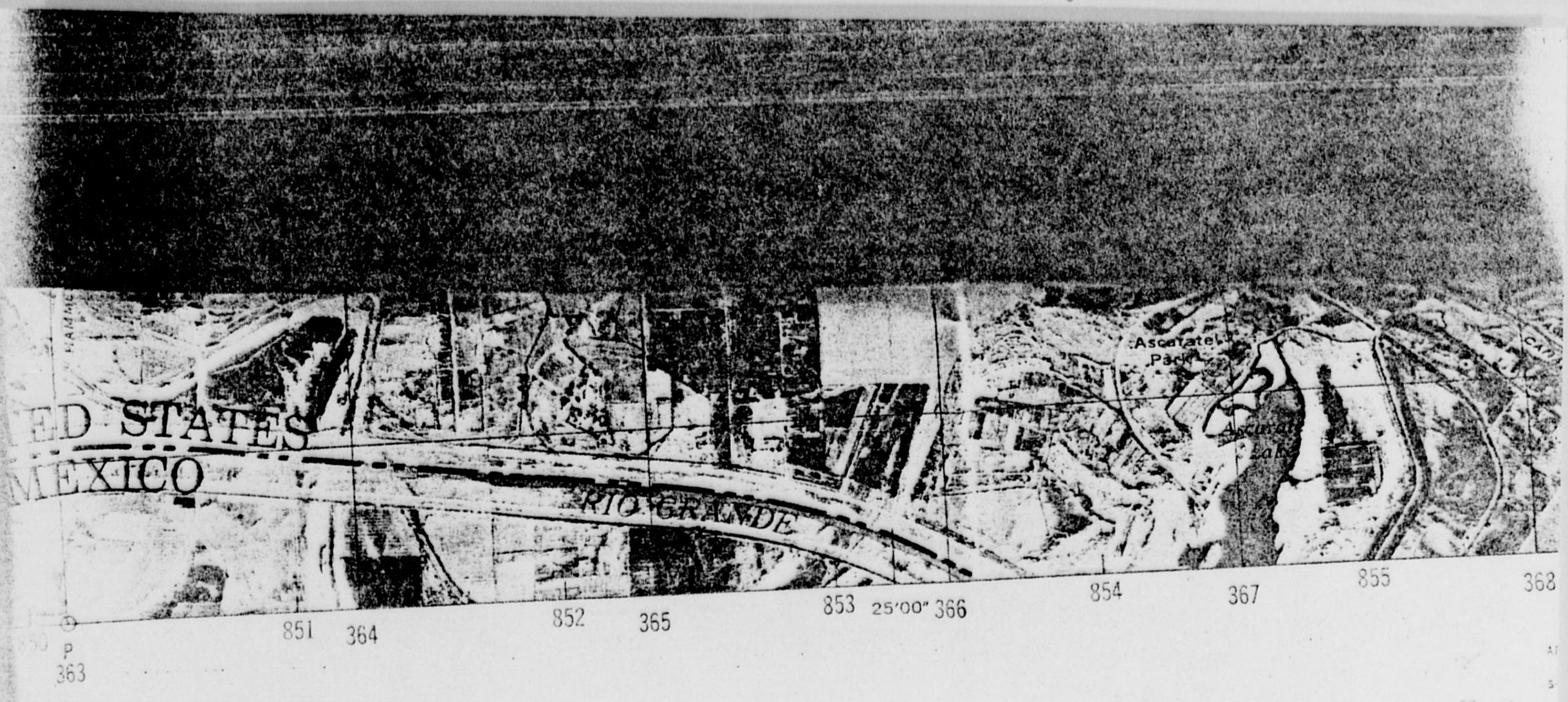
INDEX TO ADJOINING SHEETS




# EL PASO, TEXAS

## FORT BLISS AND VICINITY

## N3145-W10622.5/7.5




Scale 1:25,000 (Approximate)

1 Mile

2000 Meters

2000 Yards

TRANSVERSE MERCATOR PROJECTION
1927 NORTH AMERICAN DATUM

DATUM IS MEAN SEA LEVEL

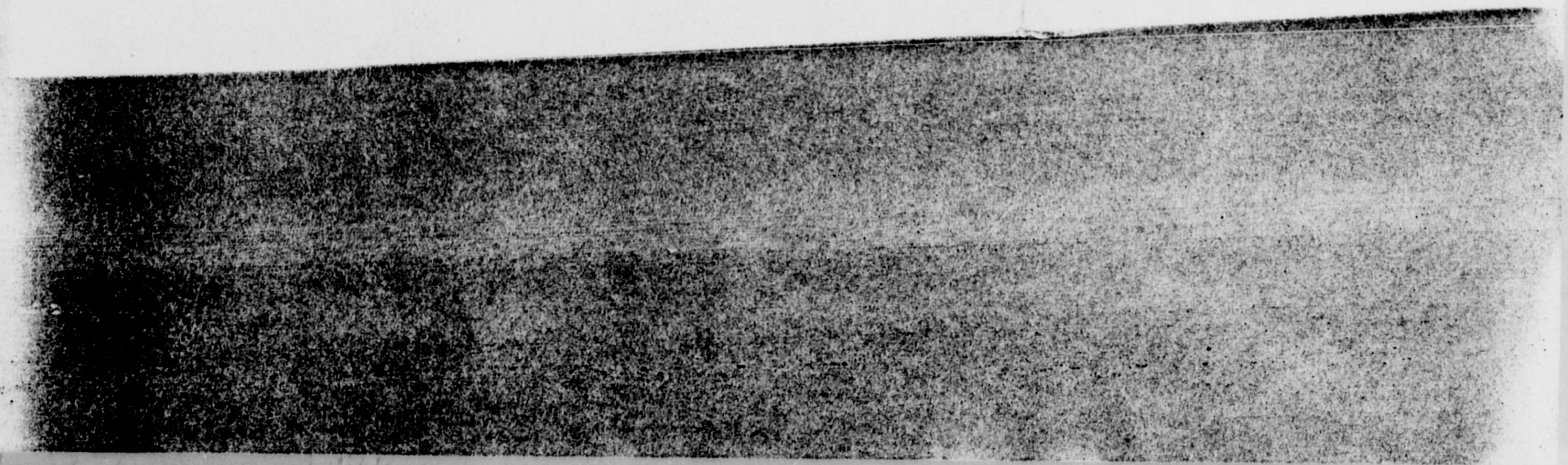
OUSAND METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 13

TICKS INSIDE THE NEATLINE INDICATE THE
1,000 YARD U. S. POLYCONIC GRID, ZONE E

THE LAST THREE DIGITS OF THE GRID NUMBERS ARE OMITTED

ING ERRORS OR OMISSIONS ON THIS MAP ARE URGED TO MARK HEREON AND FORWARD DIRECTLY TO COMMANDING
ARMY MAP SERVICE, WASHINGTON, D. C. MAPS SO FORWARDED WILL BE RETURNED OR REPLACED IF DESIRED.

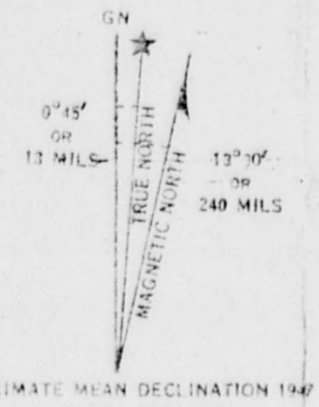
HEIGHTS IN FEET






A.M.S. V082A
First Edition (AMS 1), 1948.

Prepared under the direction of the Chief of Engineers by the Army Map Service (AM), Corps of Engineers, Department of the Army, Washington, D.C., 1948. Mosiac controlled by best average fit to SHEET 4747 IV SW, A.M.S. Series V882 (AMS 1), Texas, 1:25,000. Aerial photographs flown by U.S. Army Air Force, September 1944.




APPROXIMATE MEAN DECLINATION 1947
FOR CENTER OF SHEET
ANNUAL MAGNETIC CHANGE 1' WESTERLY

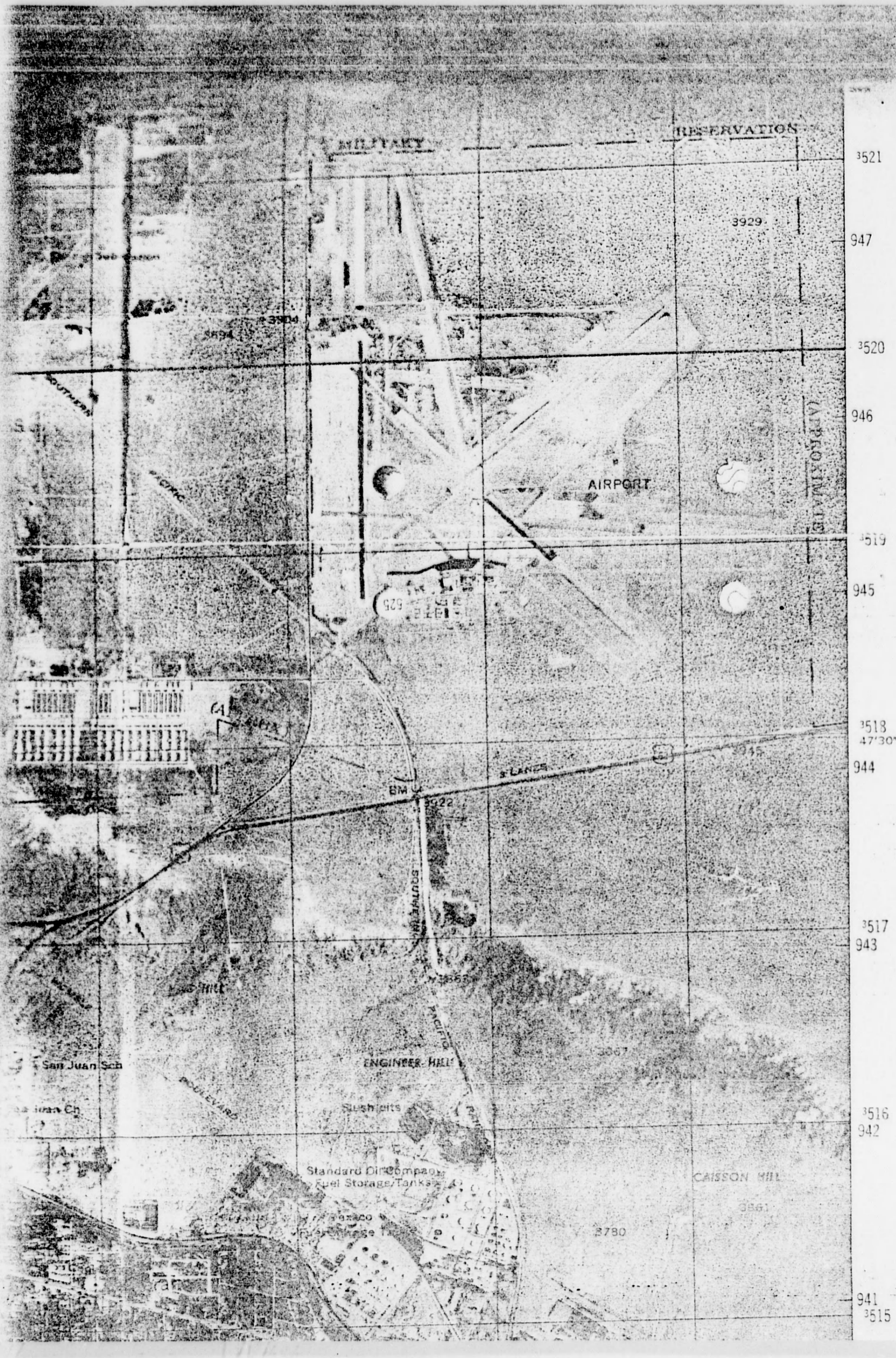
*Use diagram only to obtain numerical values. To determine magnetic north line, connect the pivot point "P" on the south edge of the map with the value of the angle between GRID NORTH and MAGNETIC NORTH, as plotted on the degree scale at the north edge of the map.*

## LEGEND

Clouds ____ C

No photos available ____ U

Reliability of grid uncertain due to local minor disagreement between photo map and topographic map.


RESERVATION
MILITARY
3929
AIRPORT
(AIRFIELD)
PACIFIC
SOUTHERN
BM
3522
3525
Hill
San Juan Sch
ENGINEER HILL
Sushi pits
Standard Oil Company
Fuel Storage Tanks
CAISSON HILL
3861
3780
3521
947
3520
946
3519
945
3518
47'30"
944
3517
943
3516
942
941
3515


Mornings ide
City Reservoir
(Concrete Covered)
YAN BUREN AVENUE
BM
3875
SOUTHERN
FORT BLISS
Sub-station
3894
Goldwell Sch
Austin Terrace
Loretto
College
BM
3819
Cemetery
Lincoln Park Sch
San Juan Sch
Burlson
Disposal plant
BOULEVARD
CROCKETT
PORTER ROAD

948
3521
947
3520
916
3519
945
47'30"
3518
944
3517
943
3516
942
6036
4720
4300
FLAG HILL
4571
5826
4641
Quarry
5177
PEAK
MOUNTAIN
Summit
City Reservoir
(Concrete Covered)
Tower
Dudley Sch
Reservoir
(Concrete Covered)
GOLD HILL
Paso
Douglas Sch
Cordova Islan

12° 13° 14° 15° 16°

# SHEET 4747 IV SW

A.M.S. SERIES V082A

106°22'30"

31°52'30"

854 855 856 857

367 368 369

3527

954

953

3526

952

3525

951

3524

950

3523

Reservoir

3901

Pumping Station

BM 3883

FORT BLISS

Skeet Range

Ordnance Igloos

3885

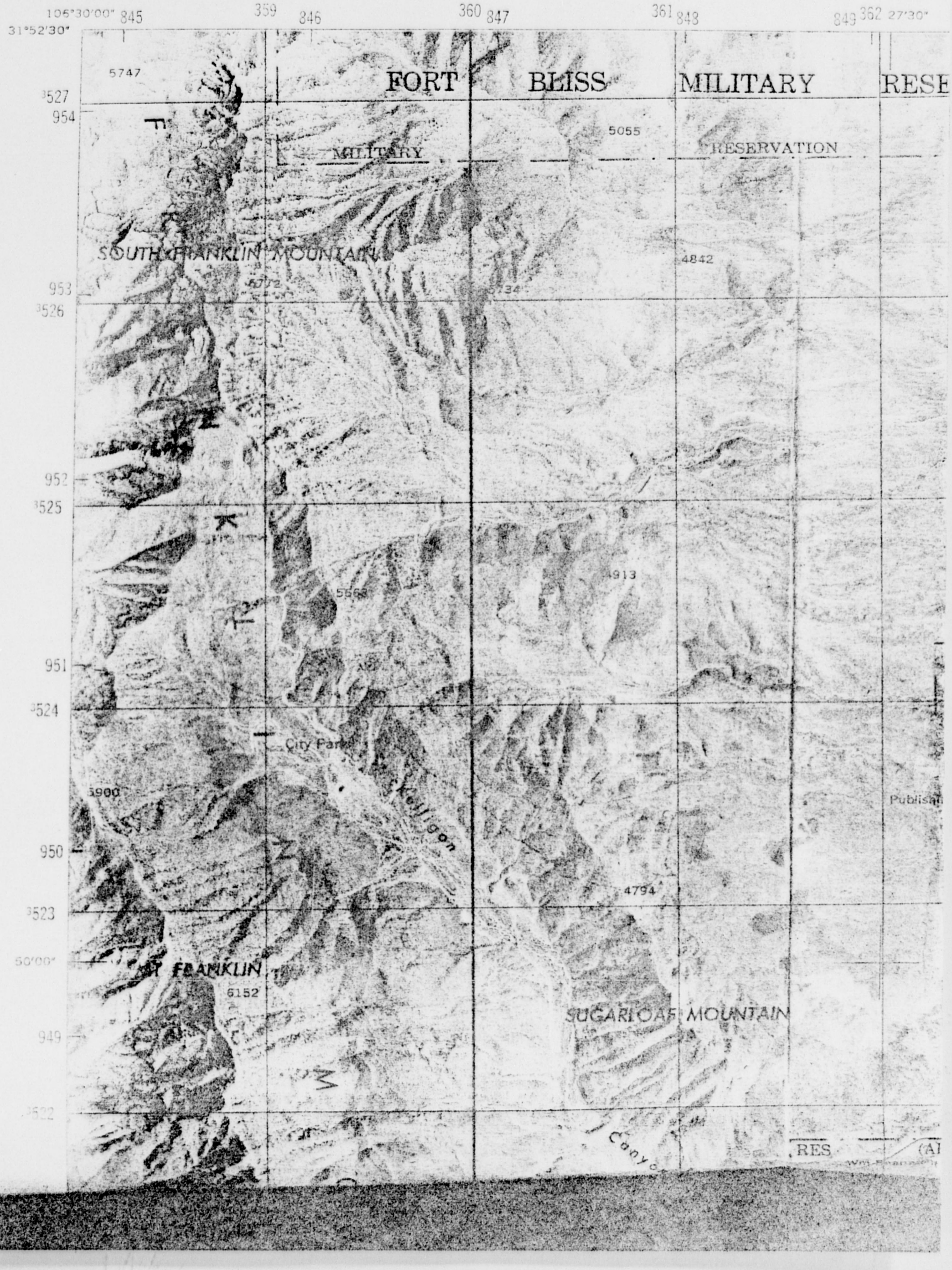
Igloos

MILITARY RESERVATION

Crash Trails

3897

FIELD


106°30'00"
31°52'30"
845
359
846
360
847
361
848
849
362
27'30"
FORT
BLISS
MILITARY
RESERVATION
MILITARY
5747
5055
4842
SOUTH FRANKLIN MOUNTAINS
5072
5134
5668
4913
City Park
Stallion
5900
4794
Publish
FRANKLIN
6152
SUGARLOAF MOUNTAIN
Canyo
RES
3527
954
953
3526
952
3525
951
3524
950
3523
949
3522

# EL PASO


11° 12° 13° 14° 15°
25°00'
ERVATION
(APPROX)
3902
Cem
Cem
Pumping station
Restlawn Cemetery
LINES
4002
3900
3885
3936
MILITARY RESERVATION
FORT BLISS
MILITARY
RESERVATION
SOUTHERN
3871
3885
Publishing plant
MILITARY RESERVATION
El Paso Golf Course
3880
MILITARY RESERVATION
3949
RESERVATION
F O R T B
M I L I T
R E S E R V A


SUGARLOAF MOUNTAIN
ANTHONY
McKelligon
SOUTH FRANKLIN MOUNTAIN
FORT BLISS MILITARY RESERVATION
MILITARY
RESERVATION
TEXAS 1:25,000
TYPE F-AMS 1
NAD 1927

# SHEET 4747 IV SW

A.M.S. SERIES V882

15° 16'

367 855 368 856 369 857 106°22'30"

31°52'30"

3527 954

3900

PACIFIC

3526 953

952 3525

Skeet range

Ordnance Igloos

951

3885 3524

3900

Crash trails

3897

950

BIGGS FIELD

B L I S S 3523

I T A R Y

3900

V A T I O N

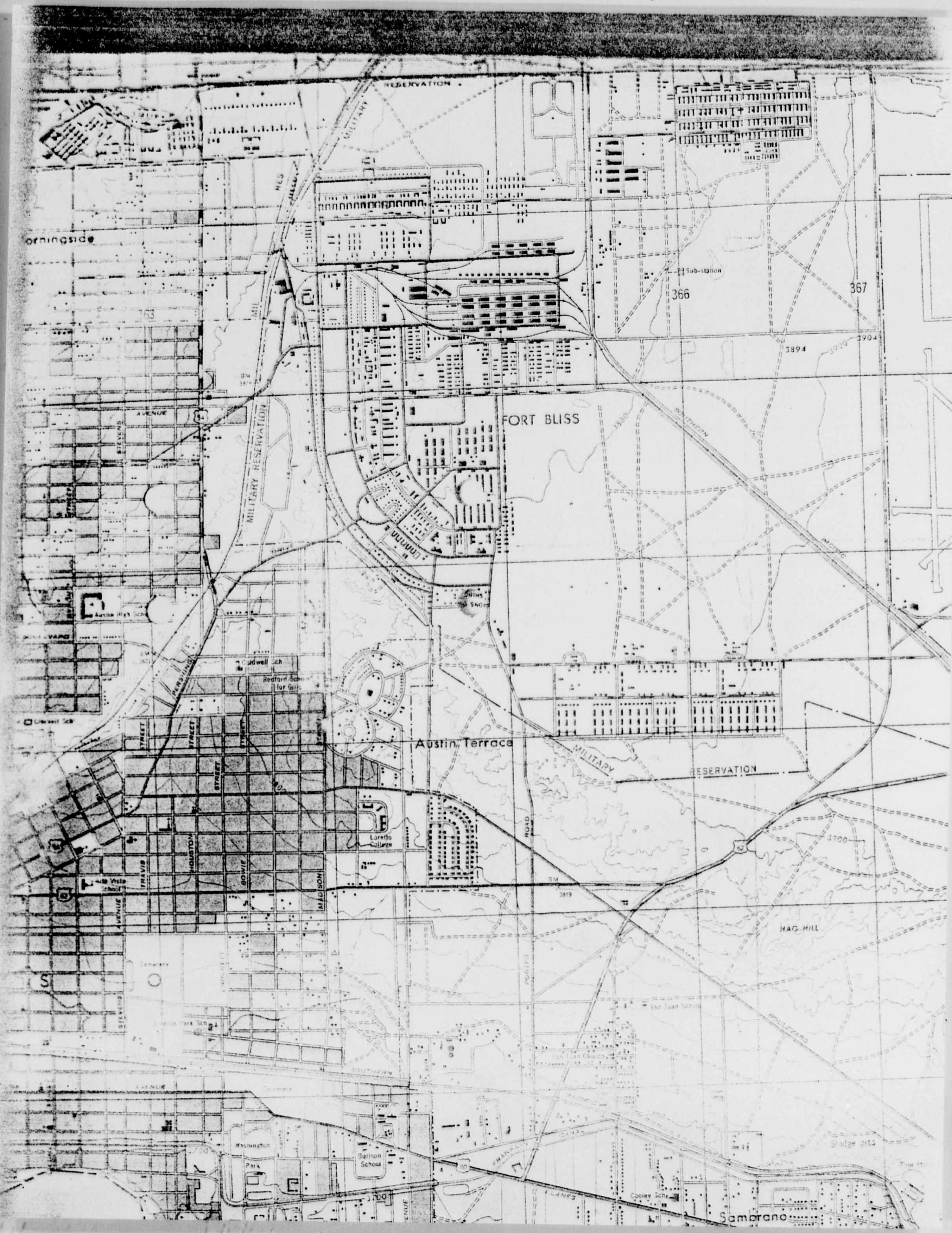
50'00"

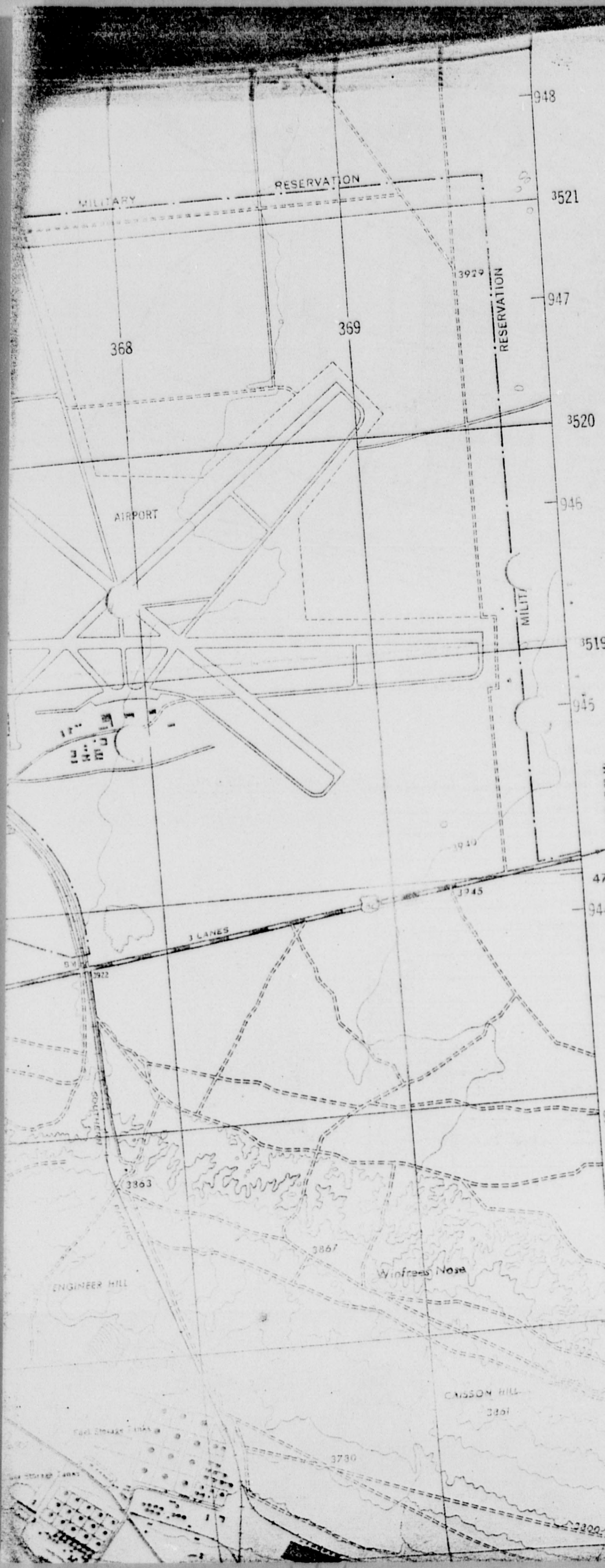
949

3522

3914

3522
948
3521
947
359
360
361
362
522
521
520
946
3520
RANGER PEAK
3500
4641
Quarry
3519
945
510
5170
COMANCHE PEAK
CRAZYCAT MOUNTAIN
47'30"
3518
944
Airway beacon
Kern Place
3517
943
517
516
5826
6036
4720
4571
FLAG HILL
Canyon
FORT BLISS MILITARY RESERVATION
City reservoir (concrete covered)
Summit
VAN BUREN AVENUE
MOUNTAIN
City Reservoir
Guadalupe Church
ALTURA
MARCIAL STREET
Houston School
GOLD HILL
ALAMEDA
Bratt School
Lamar Sch
RIM ROAD
SCENIC DRIVE


FORT BLISS
Austin Terrace
Austin High Sch
Cadwell Sch
Redford School for Girls
Loretto College
Burrison School
Washington Park
Cooley Sch
San Juan School
San Juan Church
Sludge pits
Sambrano
MILITARY RESERVATION
PERSHING
MADISON
TRAVIS
BOWIE
HOUSTON
STEVENS
PORTER
SOUTHERN PACIFIC
FRANKLIN CANAL
HAG HILL
366
367
3894
3900
3819


948
RESERVATION
MILITARY
3521
3929
947
RESERVATION
369
368
3520
AIRPORT
946
MILIT
3519
945
SALT FLAT 80 MI.
3940
47'30"
3945
944
3 LANES
3922
3517
943
3863
3867
Winfrees Nose
3516
942
ENGINEER HILL
CNISSON HILL
3861
3730
3900
941
3515




A.M.S. V882
Type F (AMS 1), 1947.

Prepared under the direction of the Chief of Engineers by the Army Map Service (AM), Corps of Engineers, Department of the Army, Washington, D. C. Compiled in 1947 from Texas, 1:62,500, USGS, Fort Bliss, 1945. Planimetric detail revised from aerial photography by photo-planimetric methods. Aerial photography by U. S. Air Force, 1944-46. Horizontal and vertical control by USGS and USC&GS. Planimetry field edited 1947.

## LEGEND

Tint indicates built-up areas in which only landmark buildings are shown

ROAD DATA 1947

In developed areas, only through roads are classified.

Hard surface, heavy duty road, more than two lanes wide
Hard surface, heavy duty road, two lanes wide; Federal route marker
Hard surface, medium duty road, more than two lanes wide
Hard surface, medium duty road, two lanes wide; State route marker
Loose surface, graded and drained, or narrow hard surface road
Improved dirt road or street
Unimproved dirt road
Trail

RAILROADS — Single track — Double track

Standard gauge
Narrow gauge
Railroad in street
Carline

BOUNDARIES

National
State (with monument)
County
County subdivision
Corporate limits
Reservation
Military reservation (MIL . RES)

Horizontal control point
Bench mark, monumented (BM 732)
Bench mark, non-monumented (431)
Spot elevation in feet (168)
Cemetery (Cem)
Woods or brushwood
Orchard
Vineyard
Intermittent lake
Intermittent stream; Dam
Swamp, marsh
Rapids; Falls
Large rapids and falls




Scale 1:25,000

1 Mile

2000 Meters

2000 Yards

CONTOUR INTERVAL 20 FEET

DATUM IS MEAN SEA LEVEL

TRANSVERSE MERCATOR PROJECTION

1927 NORTH AMERICAN DATUM

ONE THOUSAND METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 13

BROWN NUMBERED TICKS INSIDE THE NEATLINE INDICATE
THE 1,000 YARD U.S. POLYCONIC GRID, ZONE E

THE LAST THREE DIGITS OF THE GRID NUMBERS ARE OMITTED

USERS NOTING ERRORS OR OMISSIONS ON THIS MAP ARE URGED TO MARK HEREON AND FORWARD DIRECTLY TO COMMANDING OFFICER, ARMY MAP SERVICE, WASHINGTON, D. C. MAPS SO FORWARDED WILL BE RETURNED OR REPLACED IF DESIRED.

IND

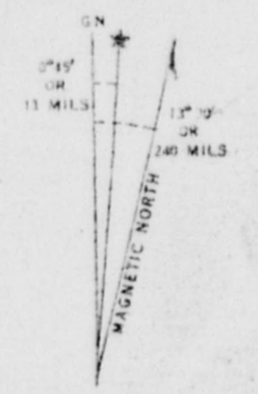
106°37'30"

32°00'00"

31°52'30"

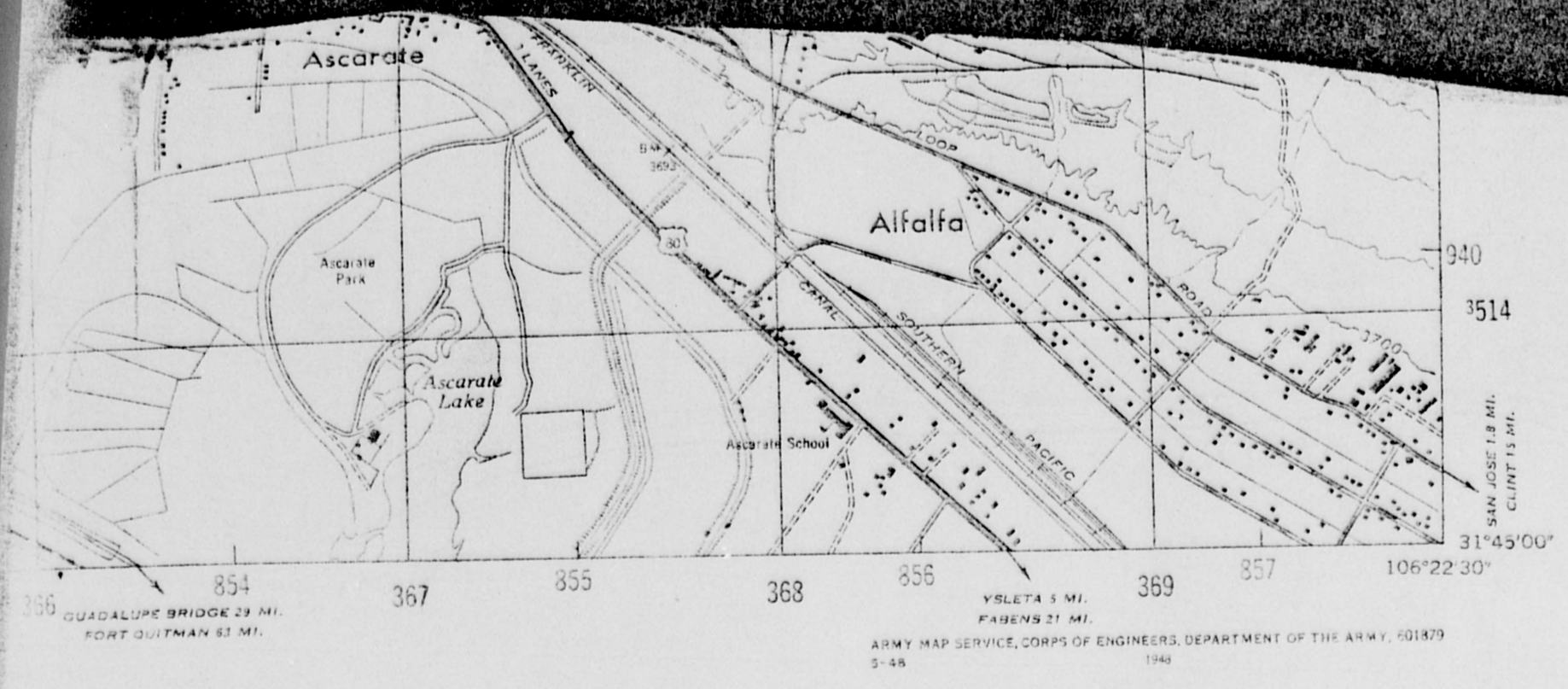
31°45'00"

31°37'30"




APPROXIMATE MEAN DECLINATION 1947
FOR CENTER OF SHEET
ANNUAL MAGNETIC CHANGE 1' WESTERLY

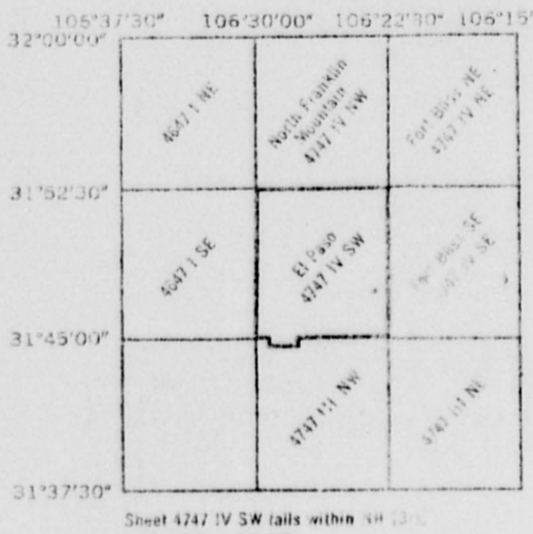
*Use diagram only to obtain numerical values. To determine magnetic north line, connect the pivot point "P" on the south edge of the map with the value of the angle between GRID NORTH and MAGNETIC NORTH, as plotted on the degree scale at the north edge of the map.*




ARMY MAP SERVICE, CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, 601879

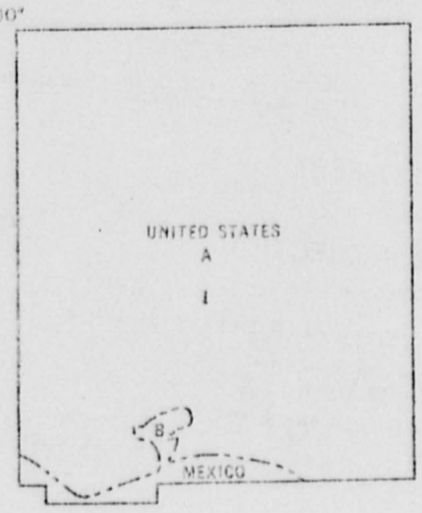
S-48 1948

INDEX TO ADJOINING SHEETS



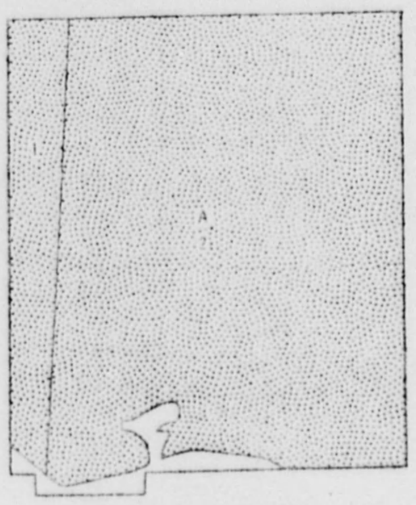

Sheet 4747 IV SW falls within SH 13-5
AMS V502, 1:250,000

INDEX TO BOUNDARIES




United States
A. Texas
1. El Paso County
Mexico
B. Chihuahua

COVERAGE DIAGRAM




COMPILATION METHODS

Photo-planimetric

Map

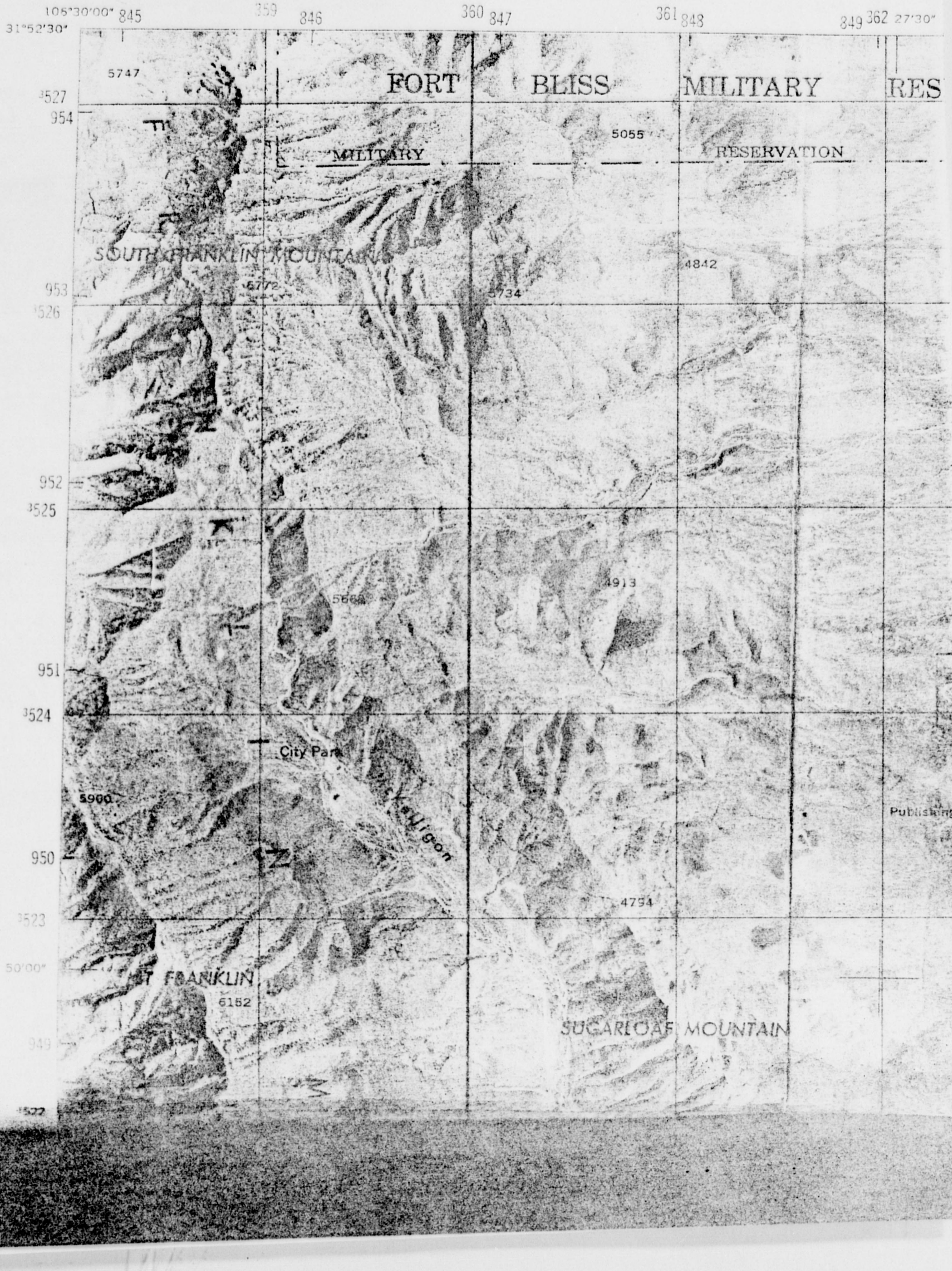
A. Texas, 1:62,500, USGS, Fort Bliss, 1945
(controlled ground survey, reliability good).
Dates of aerial photography 1-1946, 2-1944.

DECLINATION 1947
OF SHEET
CHANGE 1° WESTERLY
to obtain numerical
magnetic north line,
point "2" is the south
with the value of the
TO NORTH and MAG-
plotted on the degree
edge of the map.

# EL PASO, TEXAS

EL PASO COUNTY

N3145-W10622.5/7.5


106°30'00"
31°52'30"
845
359
846
360
847
361
848
849
362
27'30"
5747
FORT
BLISS
MILITARY
RES
MILITARY
5055
RESERVATION
SOUTH FRANKLIN MOUNTAINS
5772
5734
4842
4913
5668
City Park
5900
Wilgon
Publishing
4754
FRANKLIN
6152
SUGARLOAF MOUNTAIN
3527
954
953
3526
952
3525
951
3524
950
3523
50'00"
949
3522

 Incident 322

Name and address of observer: [redacted]
Albuquerque, New Mexico

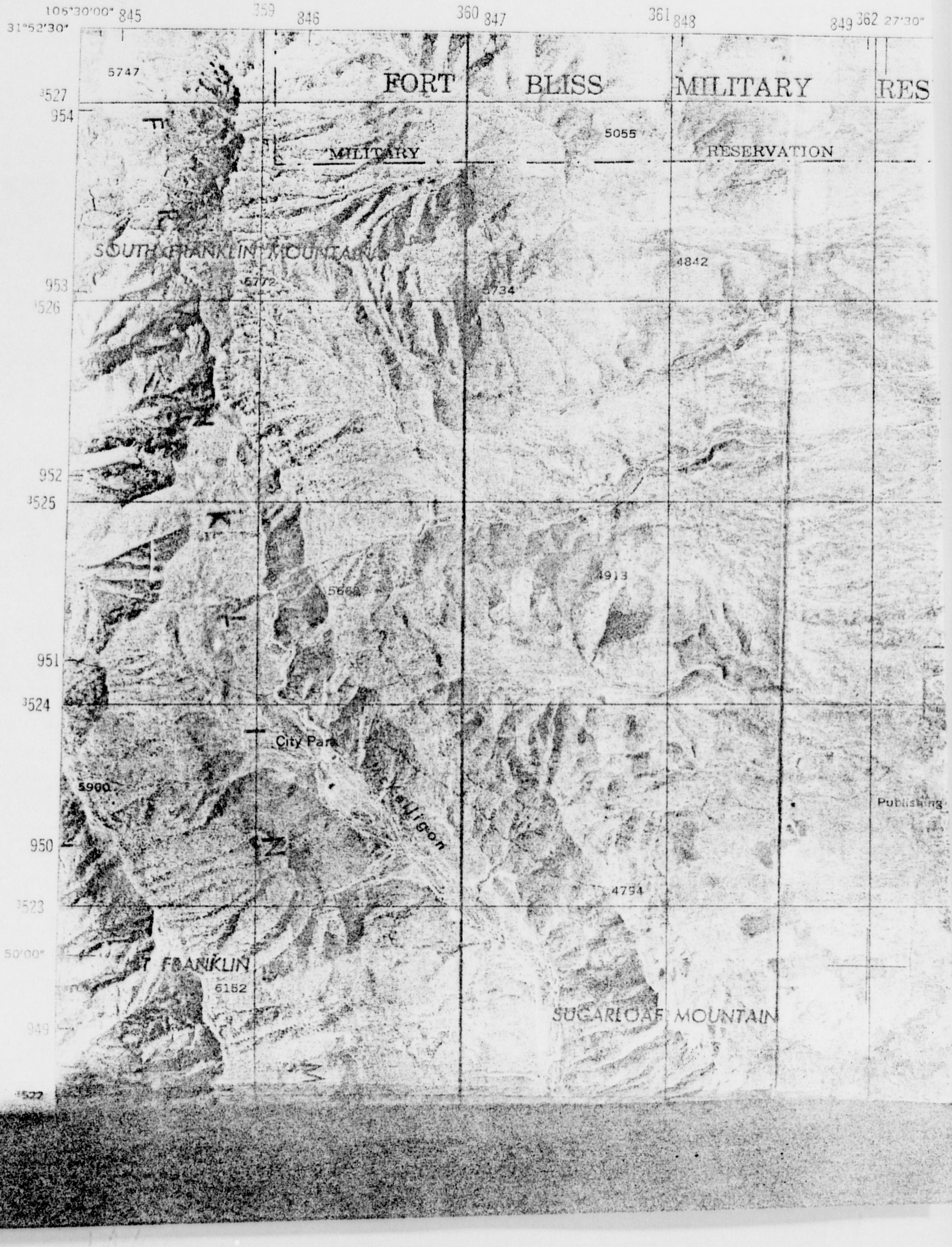
Occupation and hobbies:

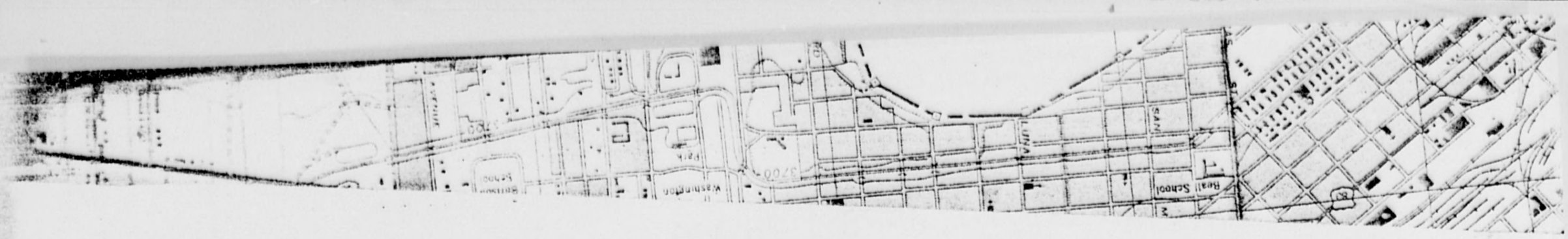
Farmer

Comments of Interrogator relative to intelligence and character of observer(s):

NARRATIVE SUMMARY:

See original Report in file with incident #16


106°30'00"
31°52'30"
845
359
846
360
847
361
848
849
362
27'30"
5747
FORT
BLISS
MILITARY
RES
954
MILITARY
5055
RESERVATION
SOUTH FRANKLIN MOUNTAINS
4842
953
5772
5734
952
5668
4913
951
City Park
5900
Publishing
950
4754
949
MT FRANKLIN
6152
SUGARLOAF MOUNTAIN



ITION · AMS 1

# EL PASO

0°

11° 12° 13° 14°

849 362 27'30" 850 363 851 364 852 365 853 25'00" 366 854

TARY RESERVATION Firing Range

RVATION 4119 (APPROXIMATE) 3950

Taylor Well

3902

Cem

Cem

Pumping Station

4002

Restlawn Cemetery

BM 3883

3885

MIL

3936

RES (APPROX)

3871

3885

Igloos

MILITAR

Publishing Plant

SOUTHERN (APPROX)

El Paso BM

Golf Course 3874

RES

UNCLASSIFIED

16

INCIDENT NO. 322

1. Date of Observation 30 April 1949 Date of Interview 2 May 1949
2. Exact Time (local) 2215
3. Place of Observation Albuquerque, New Mexico
4. Position of observer Ground
5. What attracted attention to object Light
6. Number of objects one
7. Apparent size 1/10 size of moon
8. Color of object Blue Green
9. Shape Round
10. Altitude 59° Elevation
11. Direction from observer 50°
12. Distance from observer
13. Direction of flight of object(s) East of West
14. Time in sight 2 Seconds
15. Speed 2° in 2 seconds
16. Sound and odor None
17. Trail None
18. Luminosity Bright as a Star
19. Projections
20. Maneuvers
21. Manner of disappearance Went out
22. Effect on Clouds
23. Additional information concerning object
24. Weather Conditions Clear

(over)

7-3713-18

UNCLASSIFIED

Name and address of observer: [redacted]
Albuquerque, New Mexico

Occupation and hobbies:

Farmer

Comments of Interrogator relative to intelligence and character of observer(s):

NARRATIVE SUMMARY:

See original Report in file with incident 316

CONFIDENTIAL

GUIDE TO INVESTIGATION

UNIDENTIFIED AERIAL OBJECTS

UNCLASSIFIED Incident No. _____

1. Date of Observation 30 April 1949 Date of Interview 2 May 1949

2. Exact time of observation (local) 2215

3. Place of Observation:
(Map Coordinates)

4. Position of observer (air, car, bldg, location of - give details):
Standing looking North.

5. What attracted attention to object:
Light

6. Number of objects and sketch of formation or grouping:
One

7. Apparent size (compare to known object, i.e., sun, moon, thumb or fist at arms length):
Tenth moon

8. Color of object:
Blue green

9. Shape (give graphic description - compare with known object):
Round

10. Altitude (Angle of elevation above horizon = 0° at horizon, 90° overhead):
59

11. Direction from observer (Angle clockwise from north):
50

12. Distance from observer (Distance to town, bldg, etc., over which object appeared to be):
- - - - -

13. Direction of flight of object (s):
East to West

DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

14. Time in sight:
Two seconds

15. Speed (time to cover given angular distance):
Two seconds - two degrees

16. Sound and odor:
None

UNCLASSIFIED

CONFIDENTIAL

17. Trail (color, length, width, persistance, etc.)

No

18. Luminosity (visible by reflection, incandescent, other - degree of brilliance):

Bright as two stars

19. Projections (fins, wings, rods, antennae, canopies, etc.):

None

20. Maneuvers (turns, climbs, dives, etc. - sketch of flight path):

None

21. Manner of disappearance:

Went out

22. Effect on clouds:

None

23. Additional information concerning object:

None

24. Weather conditions and light at time of sighting:

Clear

Name and address of observer: [redacted], Albuquerque, N. Mex.

Occupation and hobbies:

Farmer

Comments of Interrogator relative to intelligence and character of observer (Check neighbors, police dept., FBI records, employer, etc.):

Did observer wear glasses, especially polaroid glasses at time of sighting, or was object viewed through canopy, window, or other transparent material?

[redacted]

HEADQUARTERS FOURTH ARMY
FORT SAM HOUSTON, TEXAS

452.1 AKADB 2 May 1949

SUBJECT: Unconventional Aircraft

TO: Commanding General
Air Materiel Command
Wright-Patterson Air Force Base
Dayton, Ohio
ATTN: M.C.I.

1. Reference letter, Director of Intelligence, General Staff, United States Army, CSGID 452.1, 25 March 1948, subject, "Unconventional Aircraft," and to Control No. A-1917.

2. The inclosed report Headquarters Anti-Aircraft Artillery and Guided Missile Center, Fort Bliss, Texas, subject as above, AKBAAB 452.1, dated 28 April 1949, is forwarded for your information and any action deemed necessary.

FOR THE COMMANDING GENERAL:

/s/ Max H. Gooler

MAX H. GOOLER
Colonel, GSC
Actg AC of S, G-2

1 Incl
As stated w/2 incls

DOWNGRADED AT 3 YEAR INTERVALS:
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

UNCLASSIFIED

[redacted]

TRANSMITTAL

RESTRICTED

ATSC FORM NO. 80-506 (1 JAN. 45)

FROM: [illegible] DATE [illegible] IDENTIFICATION NUMBER [illegible]

| INCOMING | INTER-OFFICE | OUTGOING | COMPLETE FILE COPY | INCOMPL. FILE COPY | NO FILE COPY |
|---|---|---|---|---|---|
| | X | | | | |

FROM: CO 303RD ART FT SAM HOUSTON TEX TO: CG AAF ATTN: [illegible]

REG. NO. 11701

DESCRIPTION, DATES AND SUBJECT:

ltr 3-2 (2-2) Instructional a/c

INCLOSURES: 1 ltr 1-2) (2-12) w/1 cy of Each Overlay of Map w/1 (2-12) 2 cys ea w/1 (2-12) (CONF) S-40242

| TO: (OFFICE SYMBOL) | COPY NO. | REC'D BY (FULL SIGNATURE) | DATE REC'D | HOUR |
|---|---|---|---|---|
| 1 | | | | |
| TO: TRIAGT-1 | COPY NO. | REC'D BY A. Murphy | DATE REC'D 5/9 | HOUR 1130 |
| 15 | COPY NO. | REC'D BY Reynold Pierce | DATE REC'D 5-14 | HOUR 925 |
| | COPY NO. | REC'D BY | DATE REC'D | HOUR |

RESTRICTED

CONTROL NO. Q - 333

SUBJECT: Ltr Unconventional Aircraft Secret S-40242 S-252

DECIMAL FILE NO. _____

FOLLOW UP ON _____ DATE

FROM: Fourth Army Ft Sam Houston Texas DATED 5/2/49

TO: IAXS NO. INCLS. 2

RECORDING DESK AXT-1 DATE RECORDED 5/9/49 HOUR 1430

| | ROUTED TO | SUSPENSE DATE | ESTABLISHED BY INITIALS | DATE |
|---|---|---|---|---|
| 1 | IAXS | N/R | HWT | 10 May |
| 2 | | | | |
| 3 | | | | |

DATE OF REPLY

OTHER DISPOSITION:

TRANSMITTAL
AAC FORM NO. 10-2
(20 NOV. 47)
SEE OTHER SIDE FOR REMARKS

[redacted] UNCLASSIFIED

Ltr, Hq, AAA & GM Ctr, file AKBAAB 452.1, subj: Unconventional Aircraft
dtd 28 April 1949

C
O
P
Y

Name and addresses of witnesses:

Major John R. Henderson, 82nd AAA AW Bn., Ft Bliss, Texas
Sgt Stephen Bornowski, Btry A, 5th AAA AW Bn., Ft Bliss, Texas
Cpl Ernest J. Linn, Btry A, 5th AAA AW Bn., Ft Bliss, Texas
Cpl Rayborn A. Joyner, Btry A, 5th AAA AW Bn., Ft Bliss, Texas
Pvt James L Brown, Btry A, 5th AAA AW Bn., Ft Bliss, Texas
Rct Samuel J Clark, Btry A, 5th AAA Aw Bn., Ft Bliss, Texas

Occupation and hobbies: All persons listed above as witnesses are in the military service.

Comments of interrogator relative to intelligence and character of observer: All personnel who observed this incident have arrived in this area recently. A check among officers and men of the unit reveal that their character are above reproach.

Did observer wear glasses, especially poleroid glasses at time of sighting or was object viewed through canopy, window, or other transparent material: Cpl Rayborn a Joyner was wearing ordinary sight adjustment glasses. All others were sighting with an eight (8) power telescope with which the M5A2 Director is equiped.

GENERAL

1. Teletype sequences of local weather conditions:

Clouds: Broken to overcast at 20,000 feet, visibility: Unlimited, Maximum temperature: 59 degrees F, Winds at 1000 to 1500 feet at 60 degrees with speed at 8 knots, Relative humidity at 1500 feet at 25 per-cent.

2. Winds aloft report: At 1000 to 1500 feet, from 60 degrees at 8 knots per hour.

a. Adiabatic chart for period in question: None available.

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DOD DIR 5200.10 PY



[redacted]

[redacted]

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Ltr, Hq, AAA & GM Ctr, file AKBAAB 452.1, subj: Unconventional Aircraft, dtd 28 April 1949

3. Local flight schedules of commercial, private and military aircraft flying in vicinity at time: Military, commercial and private aircraft were flying in the vicinity of Biggs Air Force Base and El Paso Municipal Airport at the time of sighting.

4. Possible releases of testing devises in vicinity sent aloft by Ordnance, Navy Air Force, Weather Units, Research organizations or any other:

At White Sands Proving Ground, N.M. and Holloman Air Force Base, N. M., the "Skyhook Program" has been underway for the past three (3) days. This program consists of sending balloons of 150 feet in diameter, with instruments attached to record certain atmospheric conditions. These balloons are painted red and white. No guided missiles at either of the two installations cited above were launched during the period involved.

Negative results were received from Biggs Air Force Base.

5. Did object contact the earth: Object did not contact the earth.

6. Photographs or sketches: Sketches are attached hereto.

7. Signed statements: Signed statements were received and are being retained at this headquarters.

8. Obtain fragments or physical avidence where possible: Not possible.

FOR THE COMMANDING GENERAL:

2 Incls
1. Overlay of map stated in par 3 above
2. Sketches

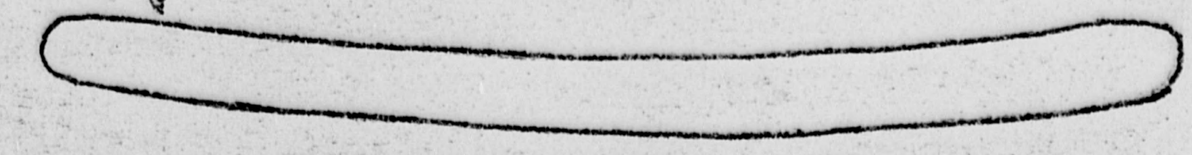
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DOD DIR 5200.10

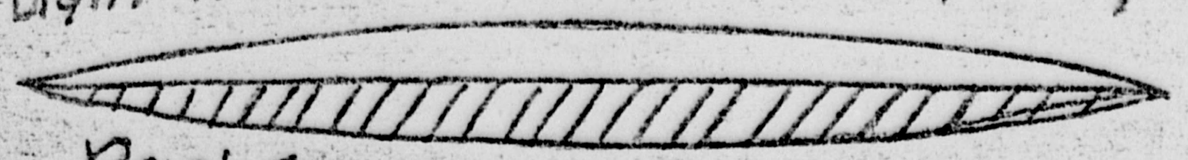
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[redacted]

3. Individuals report o[redacted]iscription of the objects sight[redacted] with numbers and names listed belo[redacted]

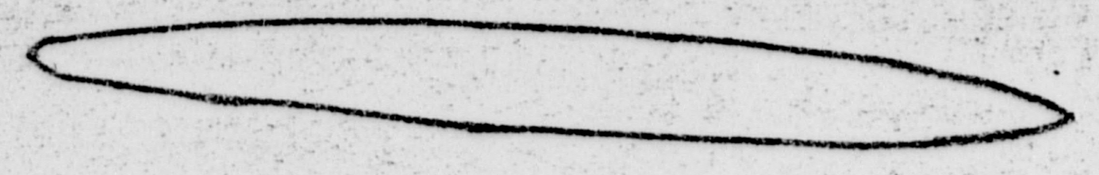
1 – 


2 – 


3 – 


4 – 

5 – 


6 – 


1. John R. Henderson
2. Stephen Borowski
3. James L. Brown
4. Ed Adcock Jr.
5. Samuel J. Clark
6. Ernest J. Lynn

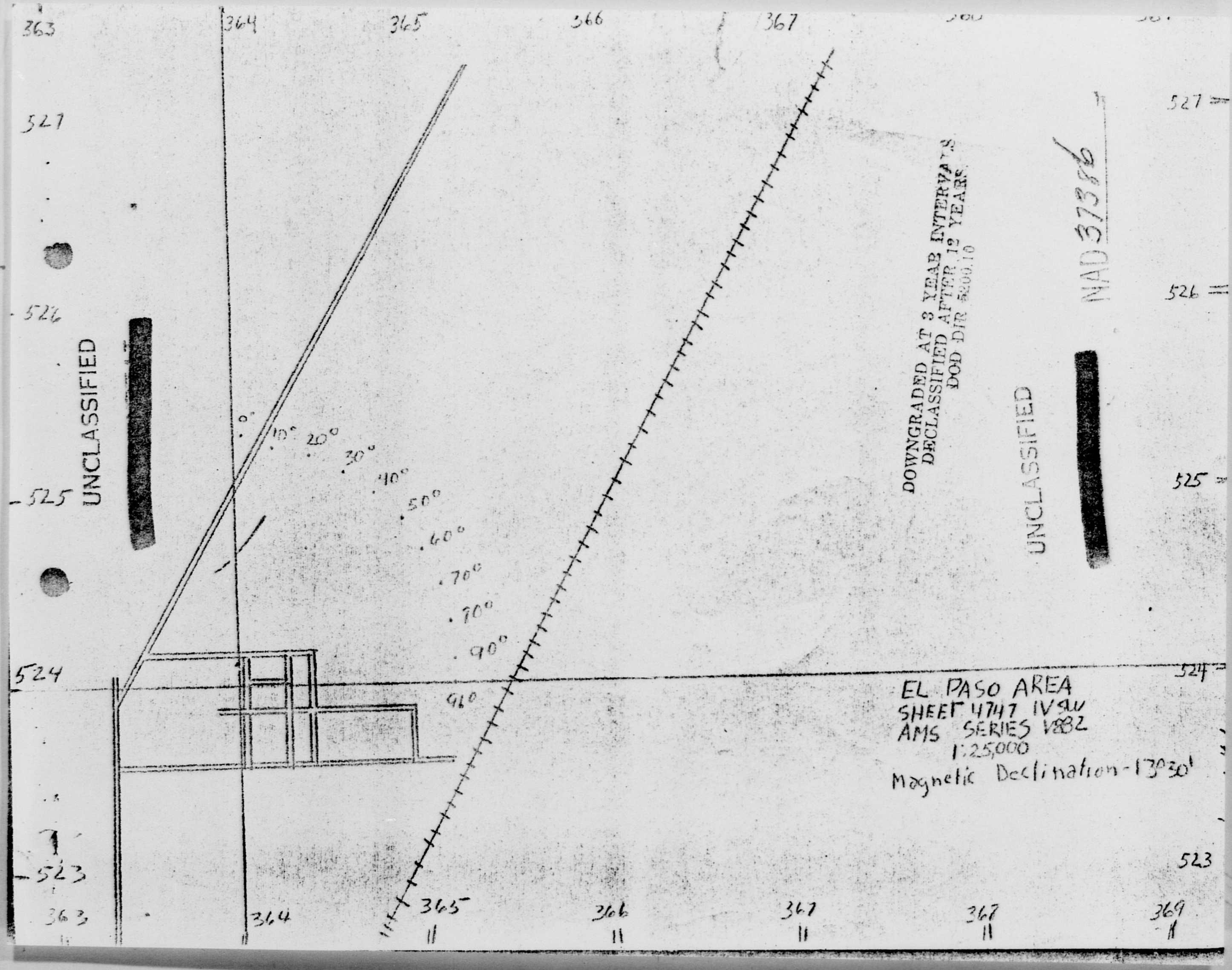
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NAD 37386

[redacted]

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UNCLASSIFIED

NAD 1927

EL PASO AREA
SHEET 4747 IV SW
AMS SERIES V882
1:25,000
Magnetic Declination - 13°30'

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C O P Y

7. Apparent size: About one-half ($\frac{1}{2}$) inch long. Object was sighted through an eight (8) power telescope of a M5A2 Director, with an amber filter.

8. Color of object: Silver, was shining like highly polished metal.

9. Shape: Flat, like a silver dollar.

10. Altitude: Angle of five (5) degrees).

11. Direction from observer: Due east (90 degrees)

12. Distance from observer: Appeared to be over the Hueco Mountain range, approximately 20 miles.

13. Direction of flight of object: Stationary

14. Time of sight: From 0745 to 0745 MST

15. Speed: Stationary

16. Sound or odor: None

17. Trail: No trail observed.

18. Luminosity: Very bright and the sun reflected off of object.

19. Projections: None noted

20. Manuevers: Remained still in air.

21. Manner of disappearance: All at once - Object disappeared when cloud formations came between object and observer. When the cloud passed point of sighting, object could no longer be seen.

22. Effect on clouds: None - The clouds were all around the object but the object was in the clear sky.

23. Additional information concerning object: None

24. Weather conditions and light at time of sighting: Hazy

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C O P Y



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[redacted]

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HEADQUARTERS
ANTIAIRCRAFT ARTILLERY AND GUIDED MISSILE CENTER
Fort Bliss, Texas

AKBAAB 452.1 28 April 1949

SUBJECT: Unconventional Aircraft

TO: Commanding General
Fourth Army
Fort Sam Houston, Texas
ATTN: A C of S, G-2

In compliance with letter, headquarters Fourth Army, file AG 452.1 AKADE, subject as above, dated 4 April 1949, the following report is submitted:

1. Date of observation: 28 April 1949
Date of interview: 28 April 1949

2. Exact time of observation(local): 0745 MST

3. Place of observation: Observed from the NE corner of the 82nd AAA AW Bn., Logan Heights, Fort Bliss, Texas. (Map 1:25,000, El Paso, Texas sheet #4747 IV SW AMS series V882) Coordinates 364-524.1 (see inclosure #1).

4. Position of observer: Outside at position indicated under 3 holding gun drill.

5. What attracted attention to object: While tracking, personnel saw an object in the air, thought they were tracking aircraft, but the object did not move.

6. Number of objects and sketches of formation or group: Two (2) sighted. See inclosure #2 for sketches.

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[redacted]

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Incident No. _____

1. Date of observation: 24 April. Date of Interview: _____

2. Exact time of observation: Between 1030 - 1035 MST.

3. Place of observation: 32° 53' N 107° 20' W
(Map Coordinates)

4. Position of observer (air, car, bldg, location or - give details:)
Ground, operating a theodolite tracking balloon.

5. What attracted attention to object: Turned to look at balloon with naked eye.

6. Number of objects and sketch of formation or grouping: One

7. Apparent size (compare to know object, i.e., sun, moon, thumb or fist to arms length: M. 02 (size of balloon 350 gm size at 15,000 feet distance.)

8. Color of object: White

9. Shape (give grapaic description - compare with known object): Elliptical, around 2-1/2:1 slenderness ratio

10. Altitude (angle of elevation above horizon - 0° at horizon, 90° overhead): Came in from 210° at 45° elevation. Passed through the sun, was about 55° when due east then disappeared at 25° elevation about 25° east of north.

11. Direction from observer (Angle clockwise from north): _____

12. Distance from observer (distance to town, bldg, etc. over which object appeared to be)? Unknown.

13. Direction of flight of object: See sketch.

14. Time in sight: Around 60 seconds.

15. Speed (time to cover given angular distance): Measured to be 5° azimuth/sec.

16. Sound and odor: None. Quiet--no trucks or planes near at time.

17. Trail (color, length, width, persistence, etc.) None

18. Luminosity (visible by reflection, incandescence, other degree of brilliance): Believed reflection.

19. Projections (fins, wings, rods, antennae, canopies, etc.): None visible, focus not good.

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SECRET

Guide to Investigation (Cont'd)

Winds? Winds? Winds!

20. Maneuvers (turns, climbs, dives, etc. - sketch of flight path): (See Sketch)

21. Manner of disappearance: Grew smaller rapidly then disappeared.

22. Effect on clouds: No clouds, no effect.

23. Additional information concerning subject: See report.

24. Weather conditions and light at time of sighting: Clear except for 1/10 cumulus to west, no dust, bright desert day.

25. Name and address of observer: [redacted] Minneapolis, Minn.

Occupation and hobbies: Chemical engineer; Meteorological Training Equipment, balloons) Amateur Balloon Crew, General Mills.
Hobby: Astronomy.

Comments of interrogator relative to intelligence and character of observer (check neighbors, police dept, FBI records, employer, etc.)

Did observer wear glasses, especially polaroid glasses at time of sighting, or was object viewed through canopy, window, or other transparent material?

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Ltr AMC to Director of Intelligence, "Project Grudge"

that the limit of binocular depth perception is reached at a distance of about 100 meters. We therefore conclude that the observer could not estimate the distance of the object from him. Since he could not estimate the distance then any assumption as to linear speed and/or elevation is without reason.

5. Let us for a moment assume that when first sighted the elevation of the object was 25°, the subtended angle .02° (1' 12") and the angular velocity 5°/second. Let us further assume length of the object as 25 and 50 feet to determine if objects speed and altitude could be explained by present day aircraft.

A. Assuming length of 25 feet:

1. Distance from observer 71,430'

2. Altitude of object 30,185'

3. Linear Velocity 4,261 MPH

B. Assuming length of 50 feet:

1. Distance from observer 142,860'

2. Altitude of object 60,372'

3. Linear Velocity 8,521

6. In view of the above no identification is offered.

7. If further research on this incident is desired an independent study by each Project Grudge consultant will be requested.

FOR THE COMMANDING GENERAL:

2 Incls
1. Statement
2. Guide to Investigation

HAROLD E. WATSON
Colonel, USAF
Acting Chief, Intelligence Department

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EC1AIS

EC1AIS/Capt/hr

SUBJECT: Project Grudge

TO: Headquarters USAF
Director of Intelligence
ATTN: Air Defense Branch
Major Boggs
Washington 25, D. C.

1. Reference is made to USAF T. I. 373, Item 13 of 12 July 1949 regarding sighting of unidentified aerial object near Army, New Mexico.

2. Inclosures 1 and 2 comprise the information submitted to Project Grudge relative to this sighting. On the basis of this information object was conservatively computed to be approx 100 feet long traveling at a speed near 17,000 MPH.

3. The resolving power of the unaided eye under normal lighting conditions is approximately one minute of arc. This is due or partly due to diffraction phenomena and to the coarseness of the retinal structure. With a 5 1/2 power theodolite the observers resolution would be a maximum of .3 minute of arc or .005° subtended angle, therefore, it is possible and even probable that the .02° subtended angle reported is true, it is also possible although not probable that he could distinguish the ratio of length to width (given as 2 1/2:1), the width being on the lowest limit for resolution. At this lowest limit of resolution it would be impossible to distinguish color since the resolution becomes less when colored radiation is used.

4. Since this object was an unfamiliar one the observer could have no idea as to its actual size, without this the only method of determining the distance was by binocular depth perception. Here we encounter the

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Ltr AMC to Director of Intelligence, "Project Grudge"

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FOR THE COMMANDING GENERAL:

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1. Statement
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HAROLD E. WATSON
Colonel, USAF
Acting Chief, Intelligence Department

[1949]

# 1 - 14 MAY SIGHTINGS

| DATE | LOCATION | OBSERVER | EVALUATION |
|---|---|---|---|
| May | Antartic (CASE MISSING) | Military | |
| 2 | Elko, Nevada | [redacted] | AIRCRAFT |
| 3 | Sidney, Ohio | | AIRCRAFT |
| 3 | Dayton, Ohio | | AIRCRAFT |
| 3 | Los Alamos, New Mexico | | Astro (METEOR SHOWE |
| 3 | Hillsboro, Missouri | | AIRCRAFT |
| 4 | Limona, Florida | | Astro (MOON) |
| 4 | Maplewood, Ohio | | AIRCRAFT |
| 5 | Fort Bliss, Texas | | UNIDENTIFIED |
| 6 | Sidney, Ohio | | AIRCRAFT |
| 6 | Camp Hood, Texas | | Astro (VENUS) |
| 6 | Livermore, California | | UNIDENTIFIED |
| 7 | St Louis, Missouri | | AIRCRAFT |
| 7 | Camp Hood, Texas | | 1. AIRCRAFT<br>2. Astro (BETELGEUSE)<br>3. Astro (CAPELLA) |
| 8 | Camp Hood, Texas | | BALLOON |
| 8 | Tuscon, Arizona | | BALLOON |
| 9 | Tuscon, Arizona | | UNIDENTIFIED |
| 11 | Watertown, New York | | BALLOON |
| 12 | Hollcman AFB, New Mexico | | Astro (STARS/PLANETS) |
| 12 | Westfield, Indiana | | AIRCRAFT |
| 12 | Roanoke, Virginia | | AIRCRAFT |
| 12-15 | Osceala, Iowa | | Other (REFLECTIONS) |
| 13 | Boise, Idaho | | AIRCRAFT |

## ADDITIONAL REPORTED SIGHTINGS (NOT CASES)

| DATE | LOCATION | SOURCES | OBSERVER |
|---|---|---|---|