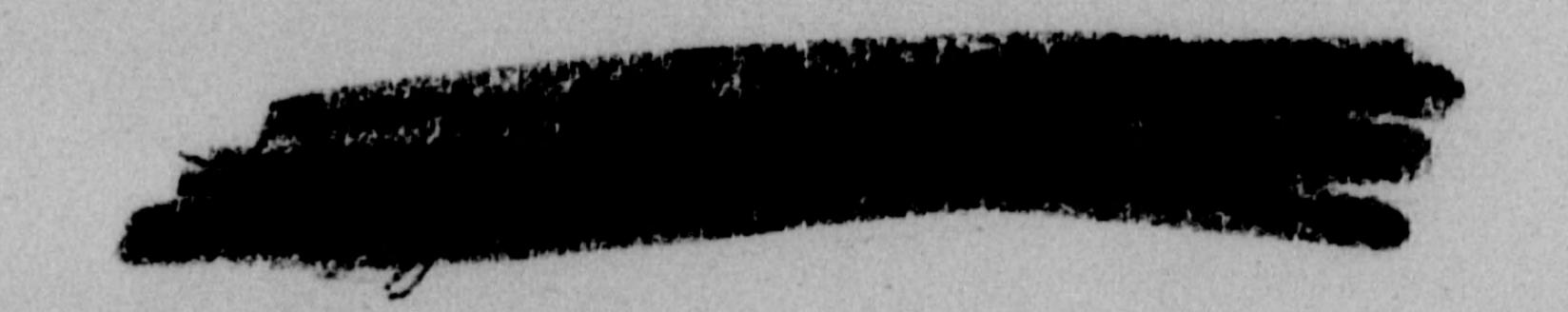
PROJECT 10073 RECORD CARD

1. DATE	2. LOCATION		12.	CONCLUSIONS
30 August 1962	Bickmore, West		000	Was Balloon Probably Balloon Possibly Balloon
3. DATE-TIME GROUP	4. TYPE OF OBSERVATION			
Local	MGGround-Visual	O Ground-Radar	00	Was Aircraft Probably Aircraft
GMT 31/0330	D Air-Visual	D Air-Intercept Radar	Ket	Possibly Aircraft
5. PHOTOS	6. SOURCE		000	Was Astronomical Probably Astronomical
TOWN.	Civilian		ă	Possibly Astronomical
7. LENGTH OF CBSERYATION	3. NUMBER OF OBJECTS	9. COURSE	0.0	Insufficient Data for Evaluation
		na+	0	Unknown
not reported	one	not reported	<u></u>	
10. BRIEF SUMMARY OF SIGHTING		11. COMMENTS		
Youth saw flying saucer on dark cloudy night. Oval shape, solid, dull red, speed 60 mph at 5,000 feet. Humming sound. Disappeared into clouds. Witness believer in "flying saucers."		Duration not reported. Nothing conflicting with a/c analysis. Sighting in August of 1962 rptd by letter in June 1963.		

ATIC FORM 329 (REV 25 BEP 52)

Dear Lin d, in no may intend to obtained the U.S. allique. & sust inont make a Report and gine you some at 10:30 pm, & Luca algoring Lovardo At was a dark cloudy might, the cauld see the shape bo the abject ett was anal shapeds a salid dull Red and it crossed along at a speed of apras 60 mph and about 5,000 let at made a herming second and disapeared in to the clasself. Tit's me use ban the air bonce to say That it was a Balloon Inetastite ar Timpeture muerision the air bance con't prone that the soulers Reports are optical illusions an remperauno inversional when you can pich up saucers on Padar, why de you dany she'r suistime.

Innechad of major Heghac's investigation Eane net going to say that your are withalding Indiamarion brown the public, E say that you are ignoring yout cost possible believe that ather Perpetuation, the space believe that the Sacreon are illusion or claud bermations, Why don't you shoat them and Rind aut it they are solid as Real om a cirpen or the U.S. of thend of their security, why lacp it a secrete, itall the american people the truck what kind of profe to you have to gets the saireer and the people Theasselwin



the night is dark and clear, you can see it with the naked eye as a hazy spot of light. But photographs through great telescopes are required to bring out its detail, and to show its structure, which is a spiral.

Astronomers formerly thought that our Galaxy was considerably bigger than the one in Andromeda. But no longer. Actually, they had underestimated Andromeda's distance, which they put at about 800,000 light years. Now it turns out to be about three times as far. Therefore, to look the same apparent size in the sky, it has to be larger. In fact, it now seems that the Milky Way is the smaller of the two.

Celestial Time Table for August

August EST

4 3:00 a.m. Moon passes north of Venus
5 1:00 a.m. Moon farthest; distance 251,900 miles

8 10:55 a.m. Moon in first quarter
12 early a.m. Meteors visible apparently
radiating from Perseus

14 2:00 p.m. Moon passes north of Saturn
15 3:10 p.m. Full moon
16 6:00 p.m. Moon passes south of Jupiter
17 3:00 a.m. Moon nearest; distance 224,000 miles

22 5:27 a.m. Moon in last quarter
24 5:00 p.m. Moon passes south of Mars
29 10:09 p.m. New moon

29 10:09 p.m. New moon
31 10:00 a.m. Jupiter opposite sun and nearest earth; distance 370,200,000 miles

Science News Letter, 82:58 July 28, 1962

Alligator weed and water-hyacinth are

the worst aquatic weeds in the U.S. South-

A new hormone drug which puts weight on people and has virtually no masculinizing effects has been discovered.

The atmospheric density can be measured by the rate of change of the period of a satellite as it orbits the earth caused by comsons with the atoms and molecules of the atmosphere.

ASTRONOMY

Vega, Brightest Star, Overhead

Venus, Saturn, Jupiter and Mars appear in the August sky and Vega, the brightest of the visible stars shines overhead in the constellation of Lyra, James Stokley reports.

MITH THE COMING of August the sun sets earlier than it did at the beginning of the summer, and the longer evenings give a good opportunity to see three bright planets. These are Venus, Jupiter and Saturn. And in the middle of the night, while the last two are still visible in the west, Mars rises in the east.

Venus, brightest of this quartet, appears low in the west soon after sunset—and long before any other star or planet is visible. It is not on the accompanying maps for they show the sky as it looks about 10 p.m., your own kind of standard time (add one hour for daylight saving time) at the beginning of August; an hour earlier at the middle and two hours earlier at the end of the month. By these times, Venus has dropped below the horizon.

Venus Much Brighter

At the start of August Jupiter becomes visible in the east at about the same time that Venus is going out of sight. By the end of the month, however, both planets will be visible at the same time, in the gathering dusk. Only Venus, more than three and a half times as brilliant, is brighter than Jupiter, which can thus be easily located—in the southeast in the constellation of Aquarius, the water-carrier.

Saturn is a little to the right, in Capricornus, the sea goat. It is about a twelfth as bright as Jupiter, but still equals a bright star of the first magnitude.

If you have a clear view in that direction you will see Mars low in the east about 1:00 a.m., standard time. It is less than half as bright as Saturn—about equal to a faint star of the first magnitude. At the beginning of August it is in Taurus, the bull; then it moves into Gemini, the twins.

Vega, which is directly overhead in the constellation of Lyra, the lyre, is the brightest of the stars now visible. Nearby are Deneb, in Cygnus, the swan, toward the northeast; and Altair, in Aquila, the eagle, to the southeast. Low in the southwest, in Scorpius, the scorpion, you will see Antares, distinctly red in color. It is also of the first magnitude, but its low altitude makes it look somewhat fainter.

Over in the west is Arcturus, in Bootes, the herdsman. And next to this group, in the northwest and a little lower, is the great bear, Ursa Major. In it is the great dipper. A little higher and farther right is the little dipper, part of the lesser bear, Ursa Minor. Polaris, the pole star, is at the end of the little dipper's handle. Farther right is Cephcus, the king, and his queen, Cassiopeia.

To the south, just to the left of Scorpius, you can see Sagittarius, the archer. It is hard

to imagine these stars forming such a figure, particularly the kind of an archer that was represented on the old star maps. They pictured him as a centaur! But you can see a teapot. The spout of the pot extends to the right, just above the curled tail of the scorpion. The lid is toward the constellation of Scutum, the shield, above, while the handle of the teapot is on the left, towards Saturn. Here also is another dipper. The four stars of the handle form the bowl of the "milk dipper," while the two stars to the right (of the lid) are the handle. Perhaps this is called a milk dipper because this is the brightest part of the Milky Way.

In competition with the bright lights in and around a large city, the Milky Way is generally invisible. But get out into the country, away from the city's glare and smoke. At this time of year it can be traced from the northeastern sky, in the constellation of Perseus, through Cassiopeia, Cepheus, Cygnus and Aquila, into Sagittarius.

If you look at the Milky Way through even a small telescope you will find that it consists of a vast swarm of stars. Most of them are not visible to the naked eye, but there are so many that they form a pathway of light.

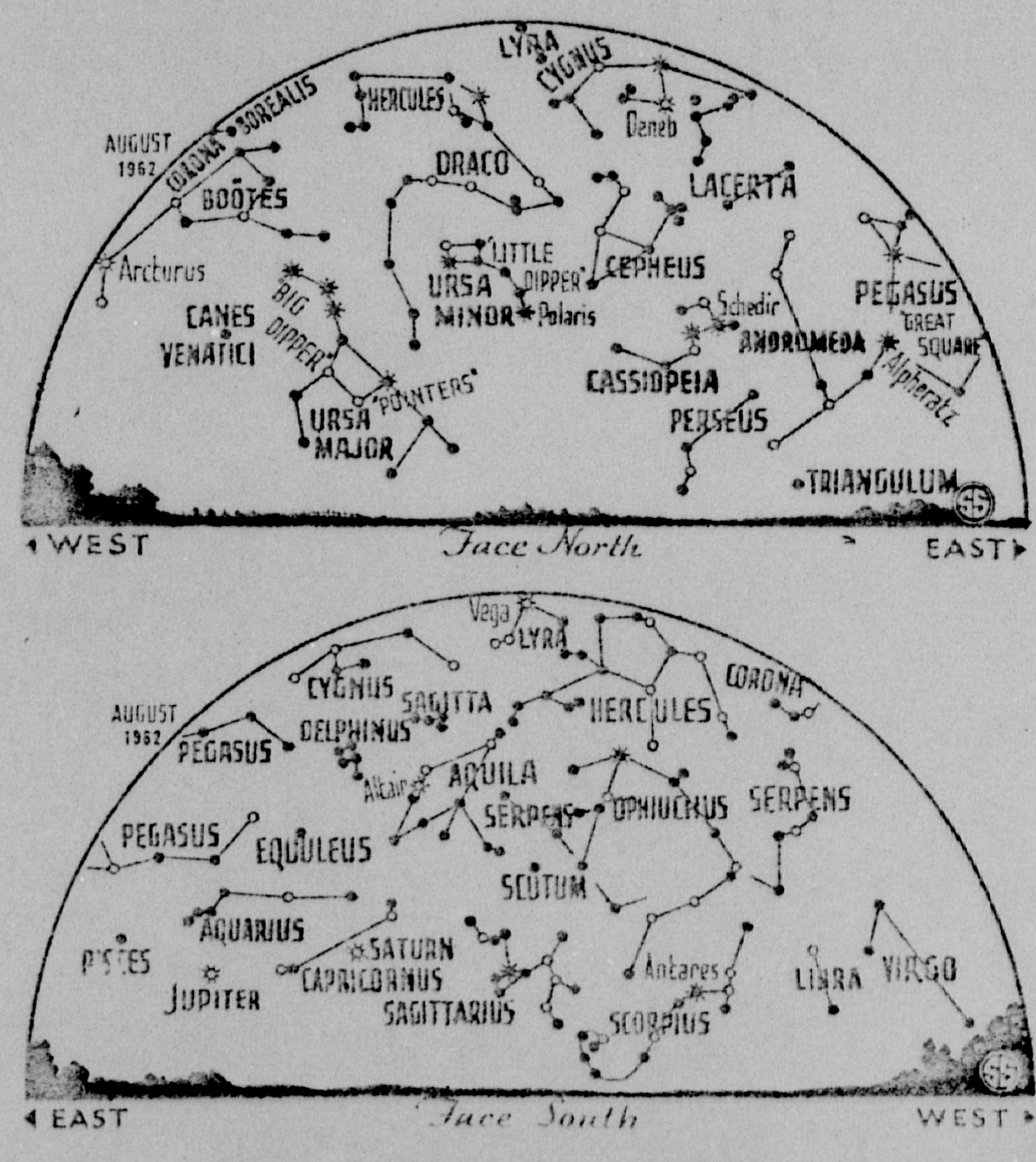
The Milky Way is really the main part

of the Galaxy, the stellar system in which we live. If you hold two soup plates together, facing each other, you have a pretty good model of this system of something like a hundred billion stars. Its diameter is about 100,000 light years. That is, a beam of light, traveling 186,000 miles every second, would take 100,000 years to cross it. It is about 10,000 light years thick at the center. The sun, with its accompanying planets, is nearly in the central plane, but about two-thirds of the way out from the center to the edge.

Understanding this, you can see why the Milky Way presents the appearance that it does. As we look toward the rim of the Milky Way galaxy we are looking into a depth of stars extending from 20,000 to 80,000 light years. But when we look toward the sides they only reach to 1,000 or 2,000 light years. Thus we cannot see nearly as many stars as we do toward the center. There they are far more concentrated, which produces the Milky Way effect. It is brightest toward Sagittarius, for that is the direction of the center, where the stars are most numerous.

When astronomers refer to the Milky Way galaxy, they usually use just Galaxy spelled with a capital letter, but there are millions of other galaxies beyond it, scattered through space.

One of these, and a close neighbor, is in the constellation of Andromeda, seen low in the northeast. When higher in the sky, if



* SYMBOLS FOR STARS IN ORDER OF BRIGHTNESS

SPACE

Spacecraft Reentry Faces Higher Temperatures

> WHITE-HOT temperatures two and a half times greater than previously estimated await space vehicles homeward bound from

a junket in outer space.

The new temperatures are expected to prompt the National Aeronautics and Space Administration to have another look-see at previous heat barrier estimations to prevent delays in the lunar space program. The figures are based on studies by Drs. Sinclaire Scala and Walter Warren of General Electric's Missile and Space Vehicle Department in Valley Forge, Pa.

A space vehicle returning from the moon would be buffeted by a shock wave with temperatures reaching 10,000 degrees Fahrenheit, the scientists believe. The shock wave is formed by the compression of air in front of the speeding space vehicle.

A newly developed 'hypervelocity shock tube" was used in arriving at the new

temperature estimates.

An electrically heated helium gas "piston" drives air past a space model at high speeds creating heat similar to that encountered by a space vehicle hurtling back to earth. The split-second testing (lasting 10 to 20 millionths of a second) is long enough to measure the heat transferred from the air to the model.

MEDICINE

Formula for Artificial Blood Plasma Sought

➤ A FAST-ACTION electronic computer to devise a recipe for artificial blood plasma is being used at the Masonic Medical Research Laboratory, Utica, N. Y., by Dr. Lawrence C. Cerny, Plasma is the fluid portion of

blood, minus the blood cells.

The need for plasma substitutes, explained Dr. Cerny, an established investigator of the American Heart Association, is prompted by the widespread use of heart-lung machines in open-heart surgery. Normally the machines, which take over the pumping of blood to the rest of the body so that surgeons can operate on a relatively dry and bloodless heart, are "primed" with fresh blood donated no more than 24 hours before the operation. Blood stored for longer periods is unusable for this purpose. Frequently freshly drawn blood is unavailable. In emergencies, when surgery cannot be postponed, artificial plasmas must be used to prime the machines. In their passage through the body, these liquids serve to keep the blood vessels distended normally.

"Ideally," Dr. Cerny said, "the artificial primers should flow just as real blood does.

'How well the substitutes we now have do their job is open to question.

Dr. Cerny hopes to define the complexities of blood flow in a mathematical equa-

"An exact definition of the flow characteristics of blood could then be applied to developing substitutes for plasma with identical properties," he said, adding:

"We want to fool the blood vessels, in essence, so that they can't tell the differences in flow between the substitutes and the real

M'Cov."

He is compiling a massive amount of data on blood flow in long narrow glass tubes with diameters so tiny they compare with those of the capillaries, smallest vessels of the circulatory system.

When he has compiled sufficient data, he will feed this information to an analogue computer. The computer can be programmed to provide an electronic model of a blood flow system based on his experi-

mental findings.

After analyzing the data from the computer, Dr. Cerny plans to examine blood flow within the vessels of living animals and to compare the two systems. Then, by modifying the electronic model to incorporate any differences noted in his "live" experiments, he hopes to have duplicated actual blood flow in the body on the computer. Once this is done, it may be possible to translate the electronic model into an exact mathematical expression which can be applied to the evaluation of substitute plasmas.

· Science News Letter, 82:57 July 28, 1962

PSYCHIATRY

Problem Youth Workers Helped by New Grants

• Science News Letter, 82:57 July 28, 1962 > KEEPING UP with today's bad boys and girls, who get into less innocent delinquency than young offenders did when Dad was young, is putting a strain on the experts who try to handle the problem.

> Not only is the supply of workers not keeping up with the fast growing delinquency but workers who are available are not trained to cope with the present crop of juveniles.

> The young people who run afoul of the law today are no longer charged mainly with such offenses as pilfering candy counters, moving someone's garden gate down the road, breaking a window with a baseball, tramping in a neighbor's geranium bed, or bending the frame of another kid's bicycle. Now they may be implicated in a gang "rumble." They may be charged with stealing automobiles, beating someone on the street, yoking, dealing in narcotics or gambling.

> To bridge the gap between the sophisticated bad boys and the workers who deal with them, the President's Committee on Juvenile Delinquency is devoting \$1,700,-000 in grants to establish new training programs.

> University courses will be supplemented by on-the-job training or re-training for persons who cannot get away from their jobs, such as court officers, parole workers and probation officers.

> > . Science News Letter, 82:57 July 23, 1962

TECHNOLOGY

Transistorized TV Used For Developing Countries

A MAJOR step forward in educational television to be used in developing countries of the world has been announced by the U.S. Agency for International Development.

Dr. Edward Fei, acting director of AlD's research, evaluation and planning staff, made public the details of a new educational television receiver employing completely transistorized circuitry, with a 23-inch screen, and requiring only 32 watts of power when operating on a simple 12-volt battery of the automobile type.

He noted that this is the first known television receiver with sufficient capacity to be used in community development edutional programs where conventional sources

of power are not available.

Need to develop this special type of television receiver results from the lack of any existing self-powered portable model of sufficient size for group viewing for educational purposes. In contrast with the 23-inch screen of this unit, the largest transistorized portable set produced now in the United States has a nine-inch screen.

Largest single problem facing the developing nations is their lack of qualified teachers for schools and instructors for adult edu-

cation, Dr. Fei said.

To meet the needs of this communications challenge, AID has begun to gather together many of the existing tools of communications and to collaborate in the development of new devices.

The first phase of this project will require approximately 14 months, after which field operations tests will begin in 100 communities in countries of AID activity.

• Science News Letter, 82:57 July 28, 1962

GEOLOGY

New Zealand's Rivers Of Ice Receding

> RIVERS OF ICE in the South Island beautyland of New Zealand are receding.

The famous Franz Joseph Glacier in South Westland has retreated 300 feet in one year (1960-61) and 3,500 feet since 1951, the New Zealand Geological Survey has determined.

About eight and one-half miles long, the Franz Joseph Glacier, and its twin sister, Fox Glacier, 15 miles away, are unequalled in that they reach down into subtropical forest. Nowhere else outside the polar regions are glaciers so close to sea level.

Lighter rainfalls and snowfalls in the area since 1951 are responsible for the retreat. Heavy rainfalls and snowfalls between 1941 and 1946 had allowed the glacier to advance appreciably. Since 1958 the glacier has retreated 1,960 feet. Photographs have been taken weekly since 1951 and scientists have attempted to survey the 'snout' of the glacier once a year.

It will take several years of markedly high rainfall and snowfall for the glacier to make any noticeable advance again toward the sea.

• Science News Letter, 82:57 July 28, 1962

A CONTRACTOR OF THE PROPERTY O ton, on the textouns, will hire. Note Ferrish,

LOCAL SIGHTINGS -Aktron, 0. 8/16/62-4:30 AM DST. Larry Moyers, (Cochairman) looked into the NE sky from his bedroom window. He was surprised to find a bright white light double the size of Venus. The use of binoculars (7x50) made it possible for him to see an orange ball-like objoct just to the right of the white light. The two lights started moving toward him in a SW direction. Soon the object was overhead and beyond, the whole sighting covered an estimated 120° of sky in 40 secs. When the white part of the soundless object! was overhead, it appeared to be three parts in line, but as it receded to the SW it quickly became one white light again. The orange light was seen throughout the sighting. No trail or conventional aircraft lighting--The estimated height - 5,0001.

No Case (Information Only)

16 August 1962 Santa Rosa, Argentina

On the night of August loth, 25 to 30 people in Seate Ress, Arguntina, witnessed three or four UFO's which departed from a "nother ship" and dashed off at great speed toward the herizon. The "nother ship" remained vistible low in the sky for some time thereafter.

GLOBAL SIGHTINGS: Norway- 8/17/62 Flying Saucer Review - Jan.-Feb. 1963. the two large newspapers reported a sighting that took place over the districtof Boda & Rana. It is 500 miles N of Trondheim and is a large AFB. Planes went to have a look at a luminous object that was sighted on the same day above lieloy A pilot spotted the object having a very clear view of it from underneath. It was impossible to estimate size or character of the object. He followed as it climbed and at 33,000 feet he had to abandon the pursuit no photos taken. Weather men denied that it was a balloon. Its movement did not fit that of a ballon. Many paople saw it in the area through-binoculars and the telescope of a amateur astronomer It was pyramidal in form, on top it had a luminous cupola and the bottom a luminous edge. It was seen from b:30PM until 10:30 PM. The usual balloon answer was given by authorities, BUT this balloon OUTCLIMBED an airplane.

Den John

A MON Succession

Minister Observes Yellow Object

The Reverend W. S. Mowery of Tipp City, Ohio, reports the following: On August 17 at 9:30 p.m., he was traveling north on County Road 61 just north and east of the Dayton (Ohio) Municipal Airport when a large and bright yellow light crossed the highway directly ahead of his car. It was at about 45 degrees elevation and appeared in about same flight altitude as a plane coming in for a landing at the field, but the speed and direction of flight made the Reverend question whether or not the craft could land. The light was a bright yellow and no other light was visible; it seemed to be about six inches in diameter and as it crossed the highway the Reverend could see the light reflecting upward on the bottom of the object but could not see its shape or size. It appeared to be just a flat, dark object just above and to the rear of the light.

The light was traveling in a northwest direction on a perfectly flat course. It was traveling so fast that Rev. Mowery; could easily observe the light growing smaller as it proceeded away from him and within a matter of 10 seconds it disappeared in the distance. The car window was down so he checked for sound and there was none. Rev. Mowery asserts that he is familiar with jets and other planes, but could find no explanation for this object.

172

August 31, 1962

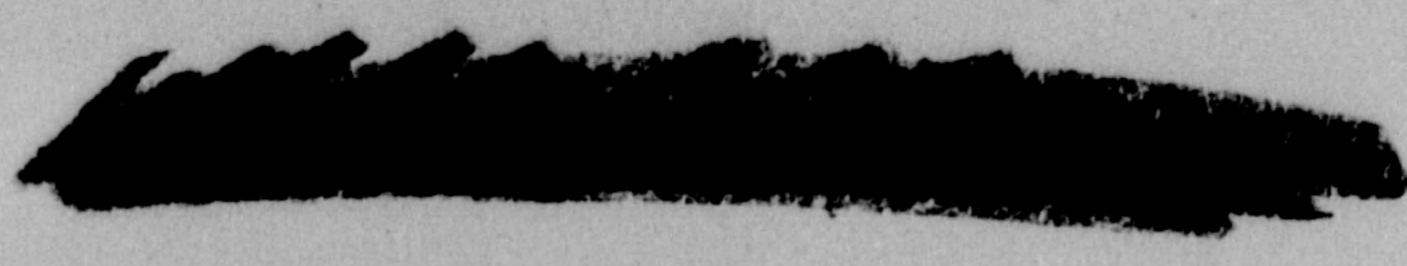
Officer in Charge, Unidentified Flying Objects Wright-Patterson A.F.B. Dayton, Ohio

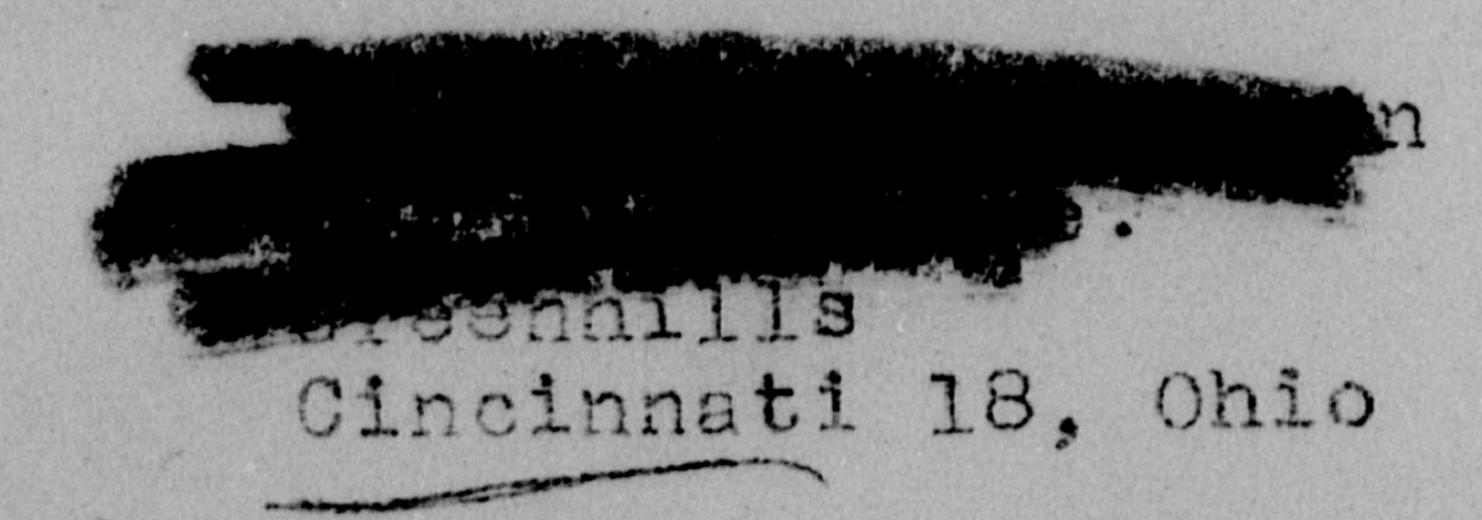
DearSir:

In the event that radar picked up an unexplained object at 12:10 a.m. Friday, August 18, 1962, in the vicinity of Greenhills (Ohio) and traveling southeast toward Reading (Ohio), my wife and I might add something to your information. At that particular time there was an intense electrical storm in this area.

We noted that the Friday Cincinnati radio and newspapers carried no mention of such an observation, hence our report to you. If a report is desired by your office, please let us know.

Very truly yours,





Cincinnati 18, Ohio





Officer in Charge, U.F.O. Wright-Patterson A.F.B. Dayton, Ohio

Source: APRO Bulletin July 1963

Source At Sheffield Reservoirs

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and alling could saving so. On that date,
however, he changed his mind. He and
a tribul. Mrs. Toresa Soutswood and
been out, and when they returned to his.
Shotswood's home. Mrs. S. opened the
back foor because howes warm losed.
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eached Pevill Together, for about 15

instead of the contract of the chain

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Troca Reville description

The Spelied area is the site of teach.

Omaha Visited By Light

Late in the evening preceding August 21, 1962, a bright light was seen in the sky over Omaha, Nebraska. It made its appearances shortly after 9 p.m. Observers noticed such characteristics as abrupt forward movement and the direction of its disappearance each time. The weather bureau told the press that the object was possibly some type of aircraft, after they ruled out weather phenomena or artificial satellites as an explanation. When queried about the object the Strategic Air Command had no offering to make toward identification of the object. Such a failure to identify is tantamount to inability to identify.

Source: APRO Bulletin July 1963

Amorher "Mother" Ship?

On the 26th of August 1962 at 12 30 a.m. APRO member Walter T. Jones. W. of Philadelphia, Pa. observed a light on the west traveling on a morth-south course. He first thought the glowing object was Echo but noticed a dip in its course at regular internals. The following is the remainder of his report, word-forward:

costly shead of us, until it was several times the size of the planet Venus. As it become larger it was increasingly impater and when it remained measurabless in the sky, I knew Echo had nothing to do with it Fortunately I had my brackward with me It howeved at such a distance I couldn't give you a more detailed legislation than already mentional, except reversi amatter bright round objects appeared beside the large one. This was noticed by my mother, Mrs. Jones without the use of binoculars.

the large breet dappeared and from the same area came a row of six of the amalier oros, with one bright creen light inflowing in what I would call an unaginary trangle. This group came directly our way, and passed over our house as low as perhaps several humized leet. I had the impression they were no migher than a plane amula fly when we consider it to be flying very low The formation bended east, and I saw all of the objects clearly—the six in followed by one bright, glowing green ight and nothing in between, or meeting them. It was a completely silent operation, and the entire incident with no mure than three or four minutes."

The second secon

Source: APRO Bulletin July 1963

constructed him or saw an object wither the same to be with their rims together" which has glowing with a bridge blue light. Round its tim, a series, of what ior and like terms calls, were evident. Nexuality As be watched. It southed aver and became quite small. He were and the second of the land of the second of photographer arrived They were shedal Marian Christine and anterial and The Marian to Marian and American and American was much the large to be a star, and appear of much marker than value as tronomical haltes. It seemed to move when a yacht tacking." she said they looked if the light through a naval teleand bacculars, and had the tirm i more som that its miter rim was brifand consisted of a series of some 27% ke a inrespenny piece.

About August 28th, a brightly-lit UFO was photographed on the ground, 300 yards from Mational Rightmy Number Two, near the city of Dolores, Argentina. The picture was taken late at night from a moving car by one Jose Ballantoni, who was traveling with his parents at the time. The witnesses say that the sencer was about 10 yards long and 5 yards high. Ballantoni, also stated that "human-like figures were moving about inside the machine."

BRAZIL - GOUVE: The Rio de Janiero Journal on 8-29-62 reported: "More than 50 people of Gouve say they have seen a 'Flying Saucer' crossing swiftly in a northerly direction and changing course towards the DE. (Montes Claros) It was opaque white, the size of a football (seccer) and was seen for 2 minutes. It emitted a curious luminosity. In Brazilia, Minas, 80 miles from Montes Claros, more than 100 persons say they saw a very similar object. The local padré said that the 'flying saucer' flew over the church slowly then increased its speed greatly and disappeared.

LQCAL SIGHTINGS -Cont'd-Cuyahoga Falls, 0. 11:45 PM, DST. Two observers saw a large white light (Venus like in size) low in the North. It seemed to be over a building on 9th St. The object was estimated to be less than 150 yds distant and just above the trees in that area, (10° elev.). The startled pair said that it hovered for about 5 secs, it then moved slowly a short distance directly right and horizontally. (east). It stopped for just a second or two and then continuing at high speed, it moved out of view behind the trees. It was not seen again. Estimated duration 15 secs. - no sound or trail.

1 - 5 SEPTEMBER 1962 SIGHTINGS.

DATE	LOCATION	OBSÉRVER	EVALUATION
Sep	Snohomish, Washington	(PHYS. SPECIME	N) Other (CINDER)
Sep	Gary, Minnesota	PHYS. SPECIME	N) Other (SLAG)
	Antiago, Wisconsin		Astro (METEOR)
	03.08S 35.56W (Atlantic)		Other (MISSILE)
2	-34.35N 163.03E (Pacific)	Military	INSUFFICIENT DATA
2	- Jackson, Minnesota		INSUFFICIENT DATA
4	Joplin, Missouri	MISSING	INSUFFICIENT DATA
4	- Quincy, Washington	PHYS. SPECIME	(MINUMINUM)
5	- North Central US, Manitowoc, Wisc.	Multiple (PHYS. SPECI	MEN) Other
5.	- Priest Lake, Idaho		Other (SLAG)

ADDITIONAL REPORTED SIGHTINGS (NOT CASES)

DATE	LOCATION	SOURCE	EVALUATION
	-Peru -Orland, Calif.	News Clipping	
2	Chicago, Ill. San Juan. Argentina		