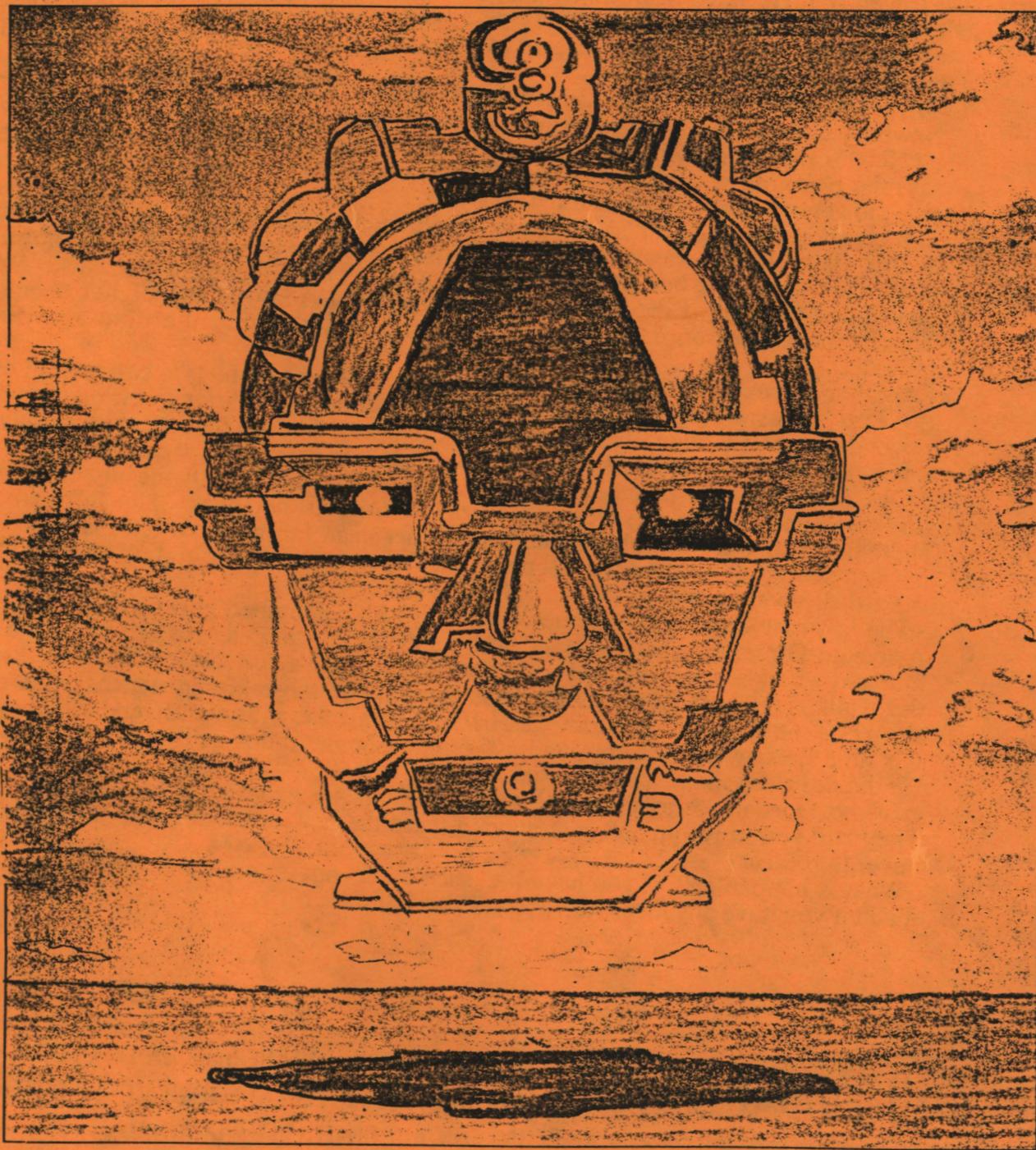




★ THE MISSING LINK ★

NUMBER 90 APRIL 1990



◆ ◆ ◆ UFO CONTACT CENTER INTERNATIONAL (UFOCCI) ◆ ◆ ◆
3001 South 288th St., #304, Federal Way, WA 98003 -

PHANTOM BEDMATES

By Aileen

Recently there have been more than several cases of phantoms crawling into bed with contactees at night. The mode operandi seems to always be the same. Only in two instances that we are aware of was anything seen. Let me give you a little background on these cases.

The first case I was really aware of was in Oregon. A friend was staying in a cabin at Newbury Crater. He has just settled down into bed but had not gone to sleep when he "felt" someone crawling into the bed. He heard (whether audibly or not, I cannot say) the phantom say "Hello Darling". At that he started to say the Lord's Prayer and tell it to get out. He was paralyzed with fright.

Lately there has been a rash of this type of phenomenon. One of our friends here in Seattle said that she was lying in bed not quite asleep when she felt little footprints, like a cat, across her bed and then "felt" something cuddling up to her back. When questioned she said it did not quite reach her waist from the top of her shoulders. This happened not once but three times. She is paralyzed at the time and cannot move.

Another person I interviewed has a regular visitor which he feels is benevolent but in this case he has willingly participated in a sexual encounter. After questioning him he is wondering if it is alien. He has not seen the person but can feel them physically. Is this a case for Budd Hopkin's hypothesis that they are gathering sperm and ova?

One of our regular members has had a recent encounter with the phantom but in this case she was having severe pain from arthritis in her neck. She felt someone climb into bed and start rubbing the back of her head furiously. When that happened a warm sensation covered her neck and moved down her back and all the pain from the arthritis went away.

The last case I will relate is one of a phantom that climbed into bed with one of our Associate Directors who happened to be staying in a motel. He felt it cuddle up to him and when he turned quickly and shouted to go away he saw it disappear through the wall. He lapsed into a sudden sleep (under those circumstances who could sleep??). Shortly the phantom was back. He awoke with a start and shouted only this time he saw the phantom and a German Shepherd dog exiting through the wall. He did not sleep the rest of the night.

In the morning he asked the desk clerk if anyone had died recently in the motel. They said yes, in Room 238. He handed them the key to Room 238 and left the motel never to return.

What is happening? If you have had such an encounter we would like to hear about it and if you have any ideas we welcome those too.

* * * * *

★ THE MISSING LINK ★

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.....
: YES! PLEASE SEND ME THE MISSING LINK FOR 1 YEAR!
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PHENOMENA IN BAGDAD, ARIZONA

By Gerald Bringle, Director

We live in a small town in Arizona. Most of the people know each other. Nobody bothers to lock their house doors and that sort of thing.

One of the ladies in town who is aware of our UFO group came to visit because she had an unusual experience.

The day before Valentines day she had gone to bed when she had a very strong urge to get dressed and go for a walk. Her house is situated close to the edge of town. She got dressed and walked out of town away from the houses.

As she looked up into the night sky her attention was drawn to a cluster of stars. She said as she watched they became very bright then they would dim way down then they would come on bright. As she watched the stars brightened and dimmed several times. Then she said it was like one of the "stars" shot out and away from the cluster and "flew" away. As she watched the cluster it became very bright then it was as if some intelligence started to communicate with her. It was all mental communication. She carried on this "conversation" for what she thought was about thirty minutes.

Then she said it looked like a "star" flew up and joined the cluster, they then all dimmed, the "conversation" ended. They dimmed and went away.

She went home. She felt so good for several days as if she were in a state of euphoria. I thought she may have been looking at the Constellation of Plieades. She took me and showed me the location in the sky where she had seen the stars also at the approximate time. I knew she was not looking at the Constellation of Plieades because it was no where near where she showed me.

I think it may have been a group of UFOs. When they were going bright then dim it was like tuning into her mental wave length so they could communicate mind to mind.

I remember some strange events that had taken place during the day of the thirteenth. The weather was beautiful, clear skies, warm, no wind. I had gone to the post office for mail then went by the local cafe for a cup of coffee. While I was in the cafe I noticed these two strangely dressed people staring at me. At the time I couldn't figure out why. I just figured them for tourists. I didn't have much else to do at the time so I politely stared back. We stared at each other for a while then they got up, paid their bill and left. At the time I didn't think to check them out. I wish now I had.

After coffee I went home and worked around the house as it was my day "off." Around evening as I started fixing dinner we had a power failure. I remember being disturbed about it because it was bad timing. I was hungry and was trying to fix dinner. As I was looking for some candles the lady who lives across the street from me came over and said her car would not start. She thought the battery was dead and asked if I would help. I went outside to help her jump start her car. We live on a cul de sac. There are only five houses on this street so I know pretty much which vehicle belongs to who.

As I was in the process of getting the jumper cables out of the back end of my pickup truck, a silver looking Mercedes car with moon disc wheel covers drove past me. It drove down to the end of the street, turned around and drove back past. I tried to look in the car but the windows were tinted plus it was getting dark. I did take down the license plate number - Nevada "EBE 241".

I know that space aliens are using these type of cars. However, because of all that was going on right then I didn't take the time to check the car out, wish now I had.

The car drove away. I got the jumper cables. Just then the lady across the street called over to tell me it was OK now, her car had started. I put the cables away, went back into the house and the power came back on.

I finished cooking dinner, hurriedly ate, then I did drive around town a little looking for that car but couldn't find it.

I went to bed early that night for no real reason. I can remember waking up next morning, Valentines Day. I had this real groggy feeling as if I had been drugged. I couldn't figure it out because I had slept the whole night through. This in itself was unusual because I am a light sleeper and usually I wake up four or five times during the night.

I also remember when I went into the kitchen to make coffee there was some strange stuff in the kitchen sink drain. I was still half asleep. The best I remember it looked like chicken organs or worms or something. It was gray in color, fairly solid like rubber worms but yet mushy. I ran water in the sink and pushed whatever it was through the drain with my fingers.

During the night a horrible weather system moved thorough the state which caused a great deal of damage. I didn't go out any place during the day because of the storm.

In the afternoon my left leg started to hurt me. It was sort of like burning and itching at the same time. I lifted up my trouser leg and looked at my leg. I was astounded at what I saw. There was a hole in my shin about half way down from my knee and foot. It looked as if someone had taken a scoop out of the flesh. I hadn't been anywhere or done anything to get a gash in my leg like that. I couldn't believe it. I looked at the wound very carefully. The edges were already starting to heal up. That may account for the itching but there was still pain down deep. The strange part was, as nasty as that wound was, within three days it had completely healed over.

One side effect I had after this experience was about three days later I went into a deep depression for about twelve hours. Then just as suddenly as it set in it left. There were several other people who suffered depression about the same time.

A friend of mine who lives about five miles north of town told me he had seen some black helicopters flying around. A couple of other people told me the same thing.

A lady told me there were some low flying jet airplanes flying real low. As far as I know only military jets fly low like that at night. She said they acted like they were looking for something.

If there were aliens around this may have been what the airplanes were looking for. Also, the aliens may have known about the approaching storm and used it to cover their tracks so to speak.

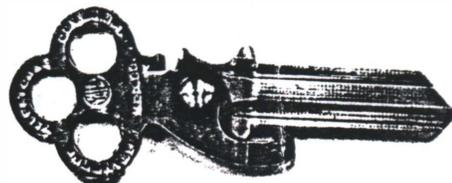
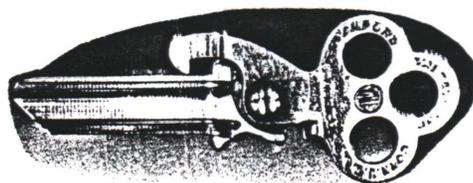
The lady who "talked" to the stars also thinks there may have been UFOs around. She would really like to be regressed through hypnosis to see if she could remember more of the conversation that took place that night.

I also would like to be regressed to see how I got that hole in my leg. Also what were those "worms" were in the sink. If it was aliens why did they do this and what did they want.

* * * * *

NOTE

Has anyone seen a key like this? Gerald found it in his post office box on top of his mail. So far asking locksmiths, etc. he has found no one that knows what it could be for. If you know please write to Gerald Bringle at POB 337, Bagdad, AZ 86321.



PAST LIFE REGRESSIONS

By Aileen

A very interesting aspect has been occurring in our past life regressions that we do in conjunction with abduction experiences. It could mean something or it could not but from now on I will be cognizant to watch for this enigma.

There seems to be a recurrence of persons in our group who lived during the time of Alexander the Great's time period within 200 - 300 years or so. Within the time of the last two months we have had experiences with Athena, Apollo and three footsoldiers - two in Alexander the Great's Army.

One regression in particular was interesting. It described a doctor in the army of Alexander and his assistants called "stanchers" that were there to help by using their energy to stop bleeding from wounds suffered in battle.

The clothing, shields and spears were described in detail. Sweat and tired muscles were prevalent.

The people who had money rode on horses and elephants but the poor walked. The doctor walked; not like in present day or they would be in a howdah high on top of the elephants!

As the army passed over the area between Afghanistan and what is now Pakistan, "slingers" attacked the army. The Persians threw diamond shaped metal objects that would accurately attack their victim - point in! The slingers threw stones from a sling shot.

Many more interesting things were described in that regression.

In another a person that is a woman in this lifetime described being a soldier. In the regression her first impression was of being on a troop ship. She could see oars from holes in the side of the ship. She described that she was a tall blond male (like her father!) who was sunburned badly and seasick.

Upon landing the army marched through a small village where the natives spat at the soldiers in disdain. The women were cooking over open fires. Small goats and horses were observed but no vegetation - everything was brown and arid.

The soldiers were bivouacked in tents ready to go into battle.

She described being on guard duty but still sick from seasickness or the food.

The commander was dressed in a white toga, red cape with a trim all the way around the edge, a helmet with red feather trim standing in a mane on the top, and sandals that laced around the legs. His officers were dressed similarly but with grey or blue capes.

After the regression we looked through a book on Greece and found similar outfits described. Since then I was told that the Spartan officers wore red capes.

The two cases were similar to the third case and these are all in our group.

The other interesting phenomenon was how many contactees/abductees have been taken to a "council" meeting in space. There have been six cases of this occurrence in our group.

THE UFOCCI HEADQUARTERS WILL BE CLOSED FOR VACATION ON MAY 3
- MAY 16, 1990.

Perhaps some of you in the other Centers can add to this by your own cases. If so please let me know and we will put it in the Missing Link.

* * * * *

.....CONGRATULATIONS!.....

Dr. Robert Moore, Associate Director, Marshfield, Wisconsin was married to Felicia Monroe on March 5, 1990. We wish YOU BOTH the best that life can hold from all your friends at the UFOCCI.

Last month in the Missing Link we overlooked recognizing a new Associate Director, Sunshine Williams. We welcome Sunshine to our network. She will be co-directing the Austin, Texas UFOCCI with Harv Howard. Sunshine is not new to contactee circles as she has been chairing a group for some time. It is our privilege to have her aboard! You can write to her at POB 162485, Austin, TX 78716.

Dear Aileen:

This is to invite all persons who have sustained any injury as a direct or indirect consequence of the UFO phenomenon to contact Dr. S. Kurzweil, 936 Fifth Avenue, NY, NY 10021-2653 in a class action suit against the United States Government for the express purpose of pursuing justice. Persons knowingly aware of criminal activities who take no action become automatic "accomplices": this lack of action will inevitably impose Karmic obligations upon the percipient. Sincerely, yours, S. J. Kurzweil, M.D.

* * * * *

FROM CARY DICKEY

FROM MY RESEARCH.... All Greys are bad, not all Reptilian/Reptoids are bad. Lizard-types are benevolent, have "spy" bases. If you want benevolent contact or help, play high "E" on super pitch pipe for guitars. They run around \$8.00 each. By the way, bad persons or entities (such as Greys or Government Officials) can't summon them. If they are nearby, they will only reveal themselves to good persons or entities. Also, the benevolent ones will refuse to reveal themselves to good persons or entities if those bad entities are nearby, except when involved in a rescue effort or when a good entity (such as me or you) are in danger.

* * * * *

CLASSIFIED

Do you want to know your future? What is in store for you? Write to Joy Barish, enclose \$8.00 and questions and birth data - she will do a tarot reading for you. Try it - you'll like it! Write to Joy Barish, 2 Pole Plain Road, Sharon, MA 02067

BORN BEFORE 1945

We were born before television, before penicillin, before polio shots, frozen foods, Xerox, plastic, contact lenses, Frisbees and the PILL.

We were born before radar, credit cards, split atoms, laser beams and ballpoint pens, before PANTY HOSE, dishwashers, clothes dryers, electric blankets, air conditioners and drip-dry clothes, and before man walked on the Moon.

We got married first and then lived together. How quaint can you be?

In our time, CLOSETS were for clothes, not for "coming out of". Bunnies were small rabbits, and rabbits were not Volkswagens. Designer Jeans were scheming girls named Jean or Jeanne, and having a meaningful relationship meant getting along well with our cousins.

We thought fast food was what you ate during lent, and outer space was the back of the Riviera Theater.

We were before house-husbands, gay rights, computer dating, dual careers and commuter marriages. We were before day-care centers, group therapy and nursing homes. We never heard of FM radio, tape decks, electric typewriters, artificial hearts, word processors, yogurt and guys wearing earrings. For us time-sharing meant togetherness - not computers or condominiums; a chip meant a piece of wood; hardware meant hardware and software was not even a word!

In 1940 "made in Japan" meant junk and the term "making out" referred to how you did in your exams. Pizzas, MacDonaldis and instant coffee were unheard of.

We hit the scene when there were 5 and 10 Cent stores, where you bought things for five and ten cents. Sanders or Wilsons sold ice cream cones for a nickel or a dime. For one nickel you could ride a street car, make a phone call, buy a Pepsi or purchase enough stamps to mail one letter and two postcards. You could buy a new Chevy Coupe for \$600.00... but who could afford one... a pity, too, because gas was 11 cents a gallon.

In our day, cigarette smoking was fashionable, GRASS was mowed, COKE was a cold drink and POT was something you cooked in. ROCK MUSIC was a Grandma's lullaby and AIDS were helpers in the Principal's office.

We were certainly not before the difference between the sexes was discovered but we were surely before the sex change: we made do with what we had. And we were the last generation that was so dumb as to think you needed a husband to have a baby!

We had never heard of UFOs!

NO WONDER WE ARE SO CONFUSED AND THERE IS SUCH A GENERATION GAP!!

* * * * *

ARE YOU GONE?

By Jason Hooten

Associate Director, Ft. Madison, Iowa

(Dedicated to Stayce Borland)

*You are not gone.
Beside me you stand.
I can feel you around
My eternal love is found.*

*Your heart was gold
And surrounded all.
You were life's breath
Even after death.*

*Our friendship is strong
and will never die.
Please no good byes
They only make me cry.*

*Gone forever,
I can not see.
You live in hearts -
That I know to be!*

*Tell me please
You are OK.
And you soar high.
Above the blue sky.*

*No, you are not gone.
In my heart you will stay.
In my memories you live.
In my life every day.*

Recently we started an exchange of information with Darush Bagheri, Director of "The Possible Relation Review", a UFO Research organization located in Tehran, Iran. It is our privilege to share sighting reports he has sent with you. I believe this is an unprecedented occasion, and as you shall see by his writings, he is dealing in an area that is not accepted by his peers in Iran.

UFO RESEARCH IN IRAN

Submitted by Darush Bagheri, Director of the Possible Relation Review

18 Sept. 1976/27th Shahrivar 1355, 11:00 p.m. TEHRAN

Some citizens contacted Tehran Mehrabad Airport Tower Control informing them about an unidentified bright object located near SIED KHANDAN & SHARIEATI Street. Tower Control contacted an F-4 fighter plane, which was patrolling in the Tehran area to make sure that it was a UFO. The Control Tower ordered the fighter plane pilot to follow the UFO.

The ensuing report said that the UFO changed its position rapidly with high speed, colors changing, as well as the shape. At 1:00 a.m. the UFO was seen leaving the Tehran area flying in a southerly direction.

At 2:30 - 4:00 a.m. the UFO had landed in a desert south of Tehran (Shar ray). The fighter pilot reported that the Cunner (?) system of the air craft was not working and some disturbance was seen in the system.

This was the first and only complete report in the year 1355 - 1976 of seeing a UFO in Iran.

Before and after above date there were many reports of UFO sightings so that there was a new attitude concerning UFOs by the public.

At Esfand 1356/Feb. 1977 another UFO was observed moving from South to North of Tehran. It was detected by a commercial pilot flying the Tehran - Shiraz Route.

On 24th Tir, 1357/15 June, 1978 another sighting was reported to N.I.R.T.V. and Mehrabad Airport Tehran Tower Control. A second report was made of an object seen in the Tehran sky changing colors to pink, blue, yellow, red and white moving from one spot to another.

A report in Kihan newspaper on the 26th Ordibehesht, 1365/16 May 1986, said that a bright object was observed at 10:00 pm., Thursday, the 25th of Ordibehesht 1365/15 May, 1986 to the northwest of Tehran over the mountains. I was a witness to this occurrence.

About 3,000 meters from my house in Shahr Ziba a large bright object appeared for about 10 minutes. It then dimmed out only to appear some minutes later 20° northwest, bright and enormous, with colors changing from red, yellow, red and white with movement. After 15 minutes it disappeared and it may be this disappearance was due to the war situation between Iran and Iraq

because the Air Force thought this was an enemy plane so the Air Force was ordered to fire on the object.

Before the Islamic Revolution the UFO phenomenon had been in newspapers and news agencies but it was not a common matter of research and investigation of media and toward this subject. A television program called "Danesh" directed by Mr. Mirfaghraii invited two commercial pilots as guests. They talked about this phenomenon. They stated that UFOs are a fact and are continuing to be sighted.

Also in the "Djavanan Magazine" appeared a series of documentary reports and stories about UFOs. The reports said that most of these sightings were the translation of reports in foreign newspapers and magazines and most of them were without fact and were imaginary stories and were not true.

In those years there was no committee or organization that researched this phenomenon for new technology and sometimes due to customs and hostility the people thought the UFO subject was an international joke which came out of the European erudite mind.

After the Islamic Revolution this subject was forgotten and it was not mentioned in newspapers or news agencies. The Iranian Government issued a statement on television on Monday, 14th of Azar, 1367/5 Dec. 1988, at 9:45 p.m. from Channel 1 stated that any research about this subject is a waste of time and it is a lie. The Danesh group from Channel 1 of Iranian television who prepared this program said that any research about UFOs is propaganda from super powers and Iraj Malek Pour Dr. said this phenomenon is related to the USA and the USSR. It is a matter of interest that Mr. Mirfagharii was producer and host of this program, who is the same person that before the revolution was researching and enthusiastic about the subject. He was the only person that represented the NASA Memoriam to the two commercial pilots. Today he is refusing to say why he did that.

The fact is, that the Iranian status of the UFO is in question because it is related to the social and educational status plus the thinking system. Iranians are people who have been affected by religion and especially after the Islamic Revolution this effect has become quite large and complicated.

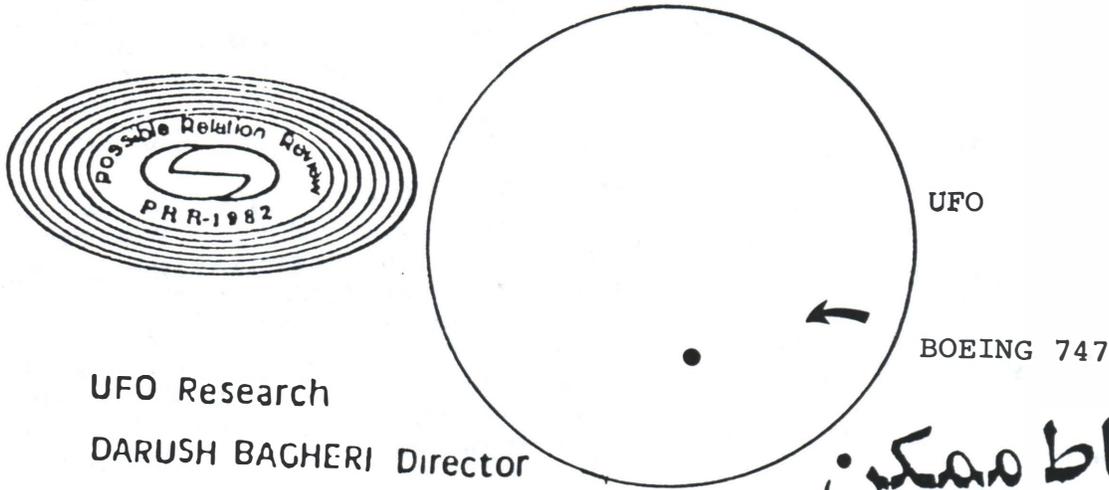
Due to the point that the Iranian government emphasizes and advertises religious propaganda and has no interest in UFOs nor desire to learn more, the Iranian people are not made aware so there is no emphasis on the UFO subject and therefore UFOlogy is unknown.

As a matter of fact the UFOs are a fact and this should be an educational and technical phenomenon and it does not belong to a special group, or peoples. Consequently you can agree with me that my staff and myself have many problems researching and describing this matter.

There may come a day when the people will believe me by seeing a UFO themselves on their roof. At that time the hostility toward the subject will evaporate and they will become aware to the point of bravery for accepting that this phenomenon truly exists.

* The sightings of some UFOs which was reported by pilots has been in the Kihan Newspaper.

The picture of the UFO was compared to a Boeing 747 by the pilots. See illustration.



UFO Research
DARUSH BAGHERI Director

پروسی ارتباط ممکن

UNION, Grass Valley, CA

Meet your neighbor . . .

Each week *The Union* will profile one of your friends or neighbors. It might be the supermarket checker, the beer truck driver, the fellow down the street with the "green thumb," or even your newspaper carrier. If you have ideas on someone you would like to read about, just give the newsroom a call any afternoon at 273-9561.

By PAUL HARRAR
The Union

Have you seen a ghost? Have you heard bumps in the night? Are you wondering what that glowing light you saw hovering over the trees was? Michael Farmer wants to help, or at least hear your story.

The 31-year-old self-described "paranormal investigator" from Cedar Ridge has spent his entire adult life trying to explain unusual phenomena. "I'm interested in hearing what people have experienced," he said. "I'm trying to canvass the area."

Farmer has experienced plenty of strange things himself. When he was 13, he saw his first UFO. It was cigar-shaped and engulfed in flames, he said. His father told him he'd seen things like it when he was in the Navy. When Farmer's father was murdered the same year, he says he "felt his presence, felt him calling me days after."

Like most kids, Farmer says he grew up believing ghosts, monsters, and spacemen were just the stuff of fantasy. "But after what I had experienced, maybe this isn't as unreal as movies make it seem," he said. "I wanted to find out for myself." Since then, Farmer has read everything about the paranormal he can get his hands on.

Two weeks ago, he and his wife Donna were strolling around their neighborhood at around 12:30 a.m. and say they saw a glowing orange ball in the eastern sky. "It just appeared. It was very bright and it changed colors," he said. "It reminded



me of military anti-collision lights." Said Donna, "It just went zip, then zip," demonstrating with her hand how the object swiftly changed its position in the sky.

The Farmers want to know if anyone else might have seen the UFO.

Michael is the associate director of the Washington State-based UFO Contact Center International, an organization that gathers firsthand UFO reports.

The organization's local chapters are a forum for UFO discussion and counseling. Farmer is trying to get a local chapter going in Nevada County.

Farmer's paranormal investigations involve both psychics and skeptics. "I'm not into New Age stuff or metaphysics. I'm just a scientific investigator. I want hard evidence," he said. He would like to investigate reports of ghosts at the Pioneer Museum.

Scientists study causes of animal mutilations

By Heather Larson

Dianne Young, a Northwest resident, is assisting scientists in Colorado with research concerning mutilations of livestock, mostly cows. These scientists and other researchers have attributed the more skilled mutilations to unidentified flying objects or unpublicized military testing.

Since 1974 there have been more than 10,000 mutilations reported, mostly in the western United States. No suspects have been charged in any of these cases.

In many of the mutilations the cuts are very sophisticated, possibly made by lasers. Usually eyeballs, tongues, jaws and sex organs are removed. Lasers seal off tissue so there would be little or no evidence of bleeding. In the more accomplished cases no traces of blood have been found.

"A Strange Harvest", a video produced by Linda Howe of Georgia, points to UFOs as the culprits in many of their beliefs that the cows have been taken aboard some type of aircraft and later dropped onto another spot because there was no evidence of

VOICE OF THE VALLEY, Maple Valley, WA
Dec. 27, 1989

circulating around at the scene. Animals about to die normally disturb the land around them.

Other researchers have said the mutilations may be the result of a scientific test. Possibly genetic information is being studied. In the more sophisticated cases there has been no trace of humans anywhere near the site. Many times there are three circular prints in the form of a tripod on the ground. Some cows have also shown a high level of radiation.

In a recent case in Maple Valley, Bill Veenhuizen's cow was mutilated. Photographs of that cow showed cuts that proved to be identical to the cuts on another cow mutilated several years ago in another state.

Young has compiled a list of findings that suggest a mutilated animal would be worthy of further investigation. They are round incisions or well-defined cuts with smooth edges, cored out incisions in rectal and genital areas, removal of body parts or the absence of blood in or around the animal.

She sends the data she collects to a research pathologist in Englewood, Colorado who is trying to gather as much information as possible in an attempt to solve this 15 year old mystery.

Anyone who experiences a mutilation is encouraged to call Young at 889-2026 so that she might extract tissue samples.

George Andrews, author, *Extra-Terrestrials Among Us*, is asking that all interested UFOlogists help encourage the printing of his second book, by calling 1-800-843-6666, Llewellyn Publishing and ask for Extra-Terrestrial Friends & Foes. George gives UFOCCI much needed PR!

ABDUCTION ACCOUNT

By Lorne Goldfeather

© 1989

Alvina, a modest, softspoken lady in her thirties, lives in the coastal city of Vancouver in the province of British Columbia. As far as she can remember consciously, she had a series of direct encounters with aliens beginning in 1985. At that time she was living on the outskirts of the city in a populated area only a few hundred feet from a very large hydroelectric power substation. She was living on a ground level floor of a three level apartment building. A small craft landed in the alleyway over empty parking spaces near her window approximately two hours before sunrise. The extraterrestrials kept the people who were asleep in the nearby area in a holding pattern so they would not awaken and they put it into the minds of people driving their automobiles close to the site not to park or drive near the area through mass autosuggestion. As she was taken out through the open window she was made to believe she was seeing a black limousine, however, she realized something was not right as the "automobile took up two parking spaces and was making a whooshing sound."

Alvina had a serious problem at the time with her kidney. Her own doctor thought it was so bad that he wanted to remove it but she fought to keep it. She was in a lot of pain. The aliens made an agreement with her to operate on and heal her kidney if she gave them some of her eggs. She agreed. They removed eggs and performed a surgery on her leaving no scars; cutting between the cells. An implant was left inside her kidney to ease the pain which later showed up in ultrasound to the astonishment of the medical technician. This tiny object later flushed out naturally through the urinary tract and was lost in the toilet.

The aliens at that time looked to her very human-like, with bushy eyebrows and of tall stature. She was able to recall this as a result of a traumatic miscarriage, which brought the memories back.

One evening a young man came to her in her bedroom looking very human and told her that he was her child - a result of the fertilization of one of her eggs. He thanked her for being the donor.

Another time two small "greys" with large eyes and oversized bald craniums visited her and told her that they too were her offspring. They appeared to be clones. They wanted her to teach them everything she knew about life on earth in case some day they had to live among us. Alvina refused to believe they were her children and told them to go away. (I should add that during the time when she was having several miscarriages she had not been with a man.) Alvina is a very credible witness and a church minister.

I began my research with Alvina in October of 1989. During that time I taught her to be more aware, alert, and interested in her abduction experiences and to inform me immediately of any new encounter.

On January 30, 1990 - approximately three weeks after appearing on a television show she was abducted again. I visited her residence the very next evening to find out what happened to her. She was taken into a craft and felt herself leaving earth's gravity. The next thing she recalls is being in a very large area which she calls "The Embryo Fertilization Room", which was the size of an airport hanger. There were many tables there and each one had a person on it - male and female. Some were screaming and crying "What is happening, why are you doing this to me?" She managed to force herself to full consciousness and a mobile, movable state where she was able to jump off the table and hide so she could get a better look at what was going on. She saw several short grey aliens with big black slanted eyes and heads watching her through what appeared to be a glass panel. They had an expression of

fear on their faces and in their eyes (she was also picking up their thoughts) because they lost control of her and she had broken the illusion they had put into her mind that they were human looking.

During this encounter on the craft she met a lady who told Alvina that she was listed as a missing person in the City of Boston in the U.S.A. She was given the lady's full name and nickname that the mother called her when she was a child. We are checking through police contacts at the time of this writing to verify her story.

The part of Alvina's account that is not so pleasant but I have decided to include in part only, is that there was a vivisection room and another room with upright tanks interconnected by pipes along the ceiling. Inside these tanks was a liquid and motionless human bodies.

Alvina told me that they (the aliens) seemed to be in a rush and appeared to be a very organized beehive of activity. She said that they were not supposed to be doing what they were doing and that others from the same race of aliens were looking for them.

Alvina has also told me that there is going to be a war soon "in our atmosphere."

Another lady who has also been abducted in the Vancouver area near a place called Burnaby Lake calls them "space bandits who violated my body and stole my eggs".

Alvina has not read books on UFOs and has only seen one movie (documentary) on the subject. The information she is giving me is credible and there is medical evidence. (Also a mysterious anomaly in the reproductive area of her body which her personal physician has called "Cell - X", which is being monitored on an ongoing basis.)

I feel that a large part of the proof of the existence of extraterrestrial life is coming from the participants in these encounters and abductions. There is emerging medical evidence. The problem is getting the cooperation of the physicians and the scientists.

In another case I am working on and for the record, in case some scientist takes the credit for it at a later date claiming it as his own discovery, a Vancouver woman was told that our Earth is called by the aliens, as "The Planet with the Two Moons". An asteroid collided with one of our moons destroying it in the process and sending debris into our solar system and onto the Earth, changing the orbit of our planet. She was also told that on the edge of our solar system (just before they leave it) they must pass an asteroid belt which contains a miniature black hole. They have to steer their course around it so they don't get pulled in. Also she says, there are eleven planets.

One day after she had told me these things I was browsing in a book store and came upon a book about the moon called "The Book of the Moon," by Thomas A. Hockey, Prentice Hall Press, New York. On page 225, paragraph three, I quote: "Scientists were shocked upon returning from the 1981 Expedition (to Antarctica) when they found that one meteorite looked very familiar. Its composition did not match that of the asteroids; rather it resembled the specimens found in the sample cases at the LRL (on the Moon). The meteorite called "Allen Hills 81005," even looked like a moonrock. It appeared to be mostly a breccia of fine grained minerals ("Message from the Moon," Scientific American, 250, February 1984, 76). These minerals are rare in meteorites but common in the samples of Apollo. Also Allen Hills had been exposed to the solar wind for some time which could not have happened on the Earth. (Richard A. Kerr, "A Lunar Meteorite and maybe some from Mars", Science, 220, April 15, 1983, 288) Today it is thought that the Allen Hills was a surface lunar rock that was accelerated to escape velocity by an impact. It then fell to the Earth as a meteor. Allen Hills contains certain minerals that are not found in the Apollo samples (my comment: From the other moon?).

Readers can contact the author c/o The UFO Research Institute of Canada, Dept. 25, 1665 Robson Street, Vancouver, British Columbia, V6G 3C2, Canada or telephone (604)685-1836. Interview of and lectures by both ladies are available in audio cassette on request at \$10 each. Please specify Alvina or the second lady Phyllis (Moon).

* * * * *

COMMENTS ON ABDUCTIONS

By Al Fry

To understand why the cattle mutilations occur across Earth, it is first necessary to recognize that we Earth children are a "bent" species out of perfection patterns. If you will look around you, try to recognize that all other species on Earth thrive in a state of perfection. They are guided by instinct according to their perfect species knowledge. Only human kind is in what the ancients called a "reflection" knowledge. A knowledge that is opposite to the creators perfection systems. The origin of our contamination is hinted at in many ancient works including the "garden of Eden" scenario. At the time our brain circuits were altered a new technological intelligence was introduced. To see that our species did not use this intelligence to destroy the planet or contaminate other species, other dimensional entities were assigned and volunteered to watch over our species.

For over 10,000 years these volunteers have monitored us. As present genetic experiments grew close to disrupting perfection circuits in certain animal species, the monitoring was stepped up. Much of what we call animal mutilation is being done to monitor for genetic tampering.

While it may seem we may be getting a little Karmic carry over for our own sorry lab experiments, this is not so. Karma and its finer points can get involved-- but under our present motivations there is no significant Karmic carry over. In our own "warped" awareness, we still have no conception of how well animals in a perfection state are insulated against pain as we know it.

Our species is struggling to regain perfection and this is a longer tale with clues at every turn. To verify this data is very simple if the soul is queried.

The author welcomes communications at "Fry's, HC76, Box 2207, Garden Valley, ID 83622".

* * * * *

REPORT FROM BAGDAD, ARIZONA

By Gerald Bringle

On Wednesday, March 21, 1990 I was walking with my neighbor Marge towards her house facing east about 8:00 p.m. I saw a green light traveling at a very high rate of speed north to south.

At first I thought it was a meteor traveling at ground level. It went behind a mountain; when it came out the other side it turned right and came up the Bagdad Highway coming into town. Then it went to the left out toward the old Bruce mine. I ran out behind the lady's house across the street to see where it went but it had gone behind some hills. I couldn't see it any more. It was too low for a jet to be flying at night - too fast for a helicopter - no sound. Absolutely quiet. It reminded me of the lights in "Close Encounters of the Third Kind."

Just then my neighbor Marge started shouting at me to come. I ran over where she was. I saw a white light do almost the same thing. I also saw a blue light. I couldn't tell if the white light turned into a blue light or if the blue light was something different. Things were happening so fast I couldn't tell.

Before all this happened the flying membrane went over. You could see through it, it looked like a jelly fish or something similar. The flying membrane was first then the lights. Today 3-24-90 two Army helicopters flew into Bagdad Airport - stayed about one hour then left. Flew over town two times.

There have been so many accidents around town and the mine. Lots of car wrecks, strokes, deaths and mine accidents. It's like people aren't thinking. Could it be sort of like a mass mind control? Is that why government helicopters are in town - to check on their mind control operation?

I did see one very strange looking man in town Wednesday. I went by "Chubbys" to eat. This guy was in there. I watched him. He had no car. He was on foot. Again, I didn't have time to check him out so many things were taking place. I did check his arms and neck to see if there were any tattoos. I didn't see any. I didn't get a chance to try the "Hey you!" bit with my mind. But this guy was strange. No car - just walking around town. I was going to offer him a lift but I got caught up in this other thing.

* * * * *

Dear Aileen:

Thank you for your continuing coverage - and its "wide-net" inclusivity. You perform a valuable service to the search for truth by not overly pre-judging what comes to your offices.

Please send me another year's issues of The Missing Link.... Michael B., Clearwater, Florida.

Memo to All UFO Organizations all Over the World:

Put down your guards. Stop withholding valuable information in hopes of being first to solve the UFO mystery. We're all in it together. Together we can solve the mystery. Let's stop this nonsense of what group is better than the next. We're all important to one another. At least I think so. Just because one or more groups have a few retired dignitaries working for them doesn't mean their information is more value than those who don't or their information will stand up and the other won't. We're in it together to prove one thing and that is that UFOs are real and our beloved government is with holding very valuable information from all of us and together we will be able to bring about the truth.

Now that I've said what was on my mind I would like to let you take a journey into the unknown with me and my associate.

Date: March 12, 1990. The night of the full moon. Both my partner and I have had a strange feeling all day long that we were going to see something or experience something out of the ordinary. The time was around 6:45 p.m. on a very beautiful clear night. The temperature was around 55 degrees, not too bad for this time of year. Usually you are able to hear a couple of night birds or crickets out at this time of the year when it's this warm. But tonight nothing was stirring - dead silence was all around us and the feeling of strangeness about us.

As we walked the road to one of our many favorite spots in this area we were hit in the face with a real strange smell - one that we have smelled before in the area. The smell that goes along with Bigfoot when he's in the area.

I know he's in this area because I've personally seen and photographed his tracks and talked to a couple of people who have seen him. Well - back to the story.

We finally got to where we were going, which was about a mile or two back into the woods. When we got to the clearing we sat down on some big rocks and gazed into the sky watching for anything unusual to come along. Which I might say didn't take long to happen. First to come along was the ever popular ball of white light or "foo lights". These can be seen in this area almost any clear night. Within an hours time or more we had seen three or four of them.

All of a sudden I saw them - two brightly lit objects which were bright orange in color. They seemed to be having a race with each other as they crossed the night sky. We have seen these many times up here.

As my partner watched this display of aerial wonderment we both could hear something moving about and watching us, or at least, that's what it felt like to us. So after the orange balls of light disappeared we decided to head back to the car and go on down the hill to another one of our favorite spots in this area.

As we headed back, every once in a while we could hear what sounded like something following us back. Well about three quarters of the way back it hit us again - that ungodly smell and then we knew who it was. Although we did not see it we could smell it. The smell of something that was dead instead of alive. Rest assured it was alive and well! For some reason we could hear it but couldn't see it even with our lantern flashlight.

We went back to the car and drove to the next spot. As you might have guessed it didn't take long before the action started. First the Foo lights came and then left. They were followed shortly thereafter by the orange ones. One from the West and one from the East. Both vanished into thin air after about a minute of viewing.

Then it happened! It seemed to catch our eyes at about the same time. As it started to rise above the hill line just in front of us. Some kind of an object with multi-colored lights. As we viewed it through our field glasses we could see it change from red to white to green to blue. So you might say, "Why you are just viewing a planet or a star." Not when you watch it doing all kinds of tricks in the sky. We also noticed bright flashes of blue light along the top of the hill line. They weren't there all the time, but just the same we were able to see them with our eyes and not through the field glasses.

Around 10:00 pm we decided to call it a night and go home. That's all there is for now. Signing off.... E.T.

(Editor's Note: This area is in western Pennsylvania)

British regiment marched into a cloud—and vanished!

ALIENS KIDNAPPED GALLIPOLI TROOPS

ALIENS abducted an entire regiment of soldiers from a battle at Gallipoli before the eyes of ANZAC troops.

The eyewitness account of what three New Zealanders claim they saw on August 28, 1915, has just been revealed.

A written statement from that August day during World War I was uncovered as part of investigations into similar accounts of unexplainable abductions by Quest International, an English organisation which investigates the paranormal.

The formal report was signed by three New Zealanders who served in Turkey.

They are: Sapper F. Reichart, 4/165 of the Bay of Plenty, Sapper R. Newnes,

By EDWARD ROONEY

13/416 of Cambridge and J.L. Newman of Tauranga.

A copy of the report was given to Truth by an Auckland expert in the paranormal.

Truth last week tracked down a female relative of Sapper Newnes in Cambridge.

She said the old soldier passed away in the early 1970s. She said Sapper Newnes never spoke about the war to his family.

The Returned Servicemen's Association in the Bay of Plenty had no record

WE NEVER SAW THEM SAY TURKS ACCUSED OF WIPING OUT ATTACKERS

of Sapper Reichart or Mr Newman.

But, according to the statement the three ANZACs signed, the so-called incident occurred early on one of the severest days of fighting in the Great War.

At Suvla Bay, on hill number 60 the Australian and New Zealand troops were resting from a march into the area.

The hill was close to the British lines and the men of No.3 section of No.1 Field Company from New Zealand had a birds-eye view of the valley below.

"The day was clear, just a warm Mediterranean morning, not a cloud in sight except for a number of strange 'loaf of bread' shaped clouds hovering in the valley below the ANZAC positions," the report reads.

"The troops (numbering 22) noticed that despite a 5mph wind, the 'clouds' did not move."

The account said one of the strange clouds appeared to be sitting on the ground in the valley below and was described as about 800 feet long, 200 feet high and 200 feet wide.

DISAPPEARED

The cloud was also described as dense and "almost solid looking" in structure.

"A British Regiment, the First Fourth of Norfolk, of several hundred men were marching towards the grounded cloud," the report said.

"Without hesitation they walked straight at it. "No one came out of the cloud."

The statement said the English regiment took more than an hour to disappear entirely into the cloud and once they were all inside, the cloud lifted up off the ground.

"It rose slowly and joined waiting companions [other clouds], it said.

DAYLIGHT

"The clouds moved away northwards towards Bulgaria. All the soldiers watching stood in stunned silence.

"An entire regiment had been abducted in broad daylight, and in clear view of the 22 soldiers."

Records for the men of the regiment list them as either "missing" or "wiped out".

Further research by Quest International reveals that when Turkey surrendered in 1918, Britain demanded the return of the lost regiment.

The Turkish Government replied that its troops had not captured nor engaged the First Fourth Norfolk.

Quest International claims that the aliens responsible for this and other abductions are known to the United States Government.



VOICE OF THE VALLEY,

Maple Valley, WA

Jan. 3, 1990

A horserider discovered a dead calf on the Soos Creek Trail on Dec. 20. Near S.E. 240th and 148th S.E. The lower stomach area of the calf appeared to have been cut and its genitals were gone.

No trace of blood was found. It appeared as though some animal had eaten on one of the hind legs. The investigating officer was not aware of any cattle in the immediate area.

Dear Aileen:

Interesting events happened about a year ago that I'd like to tell you about. Please forgive me for being so lax in getting the details to you.

Apparently there were five contacts made within the same number of days, all about 24 hours apart and all at around 2:30 a.m.

Ann Bower (Associate Director) told you about the first one re: Ms X and how she had been told her health would be better. That case was reported to Ann and occurred on 4-20-89.

I want to state right here that I did not know of all of these cases till sometime later.

On 4-21-89 I recall waking on a table (or bed??), someone was standing at my feet and sticking a needle in my toe (the large toe) of the right foot. It was the pain of this needle that woke me. At this point I kicked and fought and was able to get away. I remember running out into a hall where I saw a woman walking away from me. I had a feeling she was my sister and I started running after her. I do not have a physical sister here with shoulder length blond hair. It was right after I started after this woman that I awoke in my own bed.

On 4-22-89 another lady in the area reported having strange marks on her leg. They were on the inner thigh just above the knee and were in the shape of three triangles.

Again, a lady I call Mrs. X from the Woodlands, Texas called to report a strange occurrence. She recalls no contact but her large toe was all bruised and tender to the touch. She said she had not been walking around barefoot and swore she had not hit her foot. I've known this lady personally for a number of years and believe she is telling the truth as she knows it. She also stated that she slept almost straight for 24 hours, she got up only to feed her dogs and let them out and went directly back to bed because she was so tired. She normally sleeps only about 5 or 6 hours a night. The other interesting aspects are that the bruise would not photograph and a visual sighting was reported in that area sometime between the 22nd and 24th, so, close to the time this happened.

Another Ms. X reported contact on 4-24-89. This Ms. X does not remember much. She awoke at about 2:30 a.m. knowing someone was in the house. She got out of bed and spent the rest of the night sitting in the living room afraid to go back to bed.

Let me add that the first Ms. X, on 4-20-89 tried to photograph the bruises and they would not photograph.

My case, on 4-21-89 showed no bruises, since I awoke, fought and got away was the job not completed?

The case from 4-22-89, with the triangular marks was photographed. The man who took the pictures has basically dropped out of sight and with him, the photographs.

The case of Mrs. X from the Woodlands occurred on 4-23-89 and as I've stated, the foot would not photograph.

I find it very interesting that 3 of the 5 cases involved the feet, another had marks but on the leg rather than the feet.

Of course in the fifth case I mentioned she does not remember what might have happened, but apparently there were no marks or bruises.

I was recently talking with a UFO investigator who is a scientist at NASA. He has heard of cases involving needles in the toes or feet and he said these are frequently followed by a physical healing. The particular case he mentioned involved the contactee running a fever for about 72 hours and then a very bad knee (the man injured it as a child playing football and could barely walk up and down stairs) was completely well, as though it had never been injured. This man by the way, was a needle in the large toe case. This fits case number 1 that Ann reported.

I was dumbfounded to find out about all this. I had never heard of the needle in the toe before.

I would be very interested to know if any of your other readers have any knowledge of this and if healing seem to follow..... Judy Stryker, Associate Director, Houston, Texas.

* * * * *

PERSONAL DREAM CONTEXT & REALITY

By Brent Raynes, Associate Director
Waynesboro, Tennessee

The following event occurred during a personal period of spiritual searching and crisis, when I was desperately trying to make up my mind just what to believe in (even though I had formally accepted Christ in May 1975). It is of interest, I think, that about a couple of days before the following experience, I had silently asked God to give me a sign, and at the time that the experience actually occurred this was all the farthest thing from my mind.

One night in the fall of 1975, I had a possible out-of-body experience. At any rate something happened. It seemed very real. I had just gotten into bed. Then the next thing I knew I found myself standing up, seemingly, walking away from the bed. Then about midway across the bedroom floor I found that I was unable to go any farther. I seemed silently directed by something to look out into the hallway. There appeared hundreds of tiny, pulsating, crystal-like translucent appearing white balls of light. Despite this odd perception I simply observed with interest, experiencing no fear or much of any other emotion. As I watched the lights seemed to cluster together to look like a four-legged animal facing in the direction of the closed bathroom door (where my father was at the time). This experience seemed to last only a few brief seconds, and then suddenly I was back in bed wondering what had just happened.

As I stated it seemed very real. In fact, I recall at first being puzzled as I seemed to be walking across the bedroom floor, thinking to myself that I didn't remember getting up out of bed, and marvelling a bit at that. But for some reason as the rest of the experience unfolded and transpired, I did not question it in the least.

Shortly after this a UFO flap had erupted in Maine. One unusual case that commanded most of our attention at that time involved one David Stephens of Oxford as a central witness. Although on the surface of things it was a standard UFO case, with a large object rising from a corn field and following the car of Stephens and a friend down a narrow, winding country road in the wee hours of the morning, "visionary" elements also were involved. And, furthermore, I later examined the journal of a UFO sighter/researcher in Dover-Foxcroft, Maine, who had had standard UFO sightings herself for years and I found that she began having "visions," and many of them were similar to what Stephens had reported. (Unusual geometric, archetypal objects, patterns, and lights.) Because these events had the earmark of "visions," which for many are easily diagnosed as "hallucinations" (they clearly pointed to the mechanics of internal psychological processes no matter what the label or interpretation) one ufologist involved in this case cautioned me that I was focusing too much attention on this "visionary" stuff and ignoring the physical data. But as far as I was concerned I was taking up the slack. I had the distinct feeling that this case was very important in relation to the "visionary" events too, and later when I met the lady from Dover-Foxcroft I felt even more certain. Especially when I noticed the dates and saw that her "visions" began right around the time of the Oxford case.

Later the Oxford case became somewhat of a "classic abduction" account, mentioned in books by Jim and Coral Lorenzen, and Budd Hopkins. This has certainly given me cause to pause and wonder about other "classics" that we hear and read about.

Earlier in 1975, I had met Madeline Teagle of Ohio in my travels across country. I examined a lot of her written materials and heard first-hand the UFO experiences of her and others she introduced me to. In those cases too there were also these troublesome "visionary" elements. So that perhaps, I feel, made me more alert to them later in the Oxford case. In that case I felt that there was too much discussion going on of classic UFO lore and abductions leading up to and during the hypnosis sessions. I really was concerned that hypnosis was possibly going to obscure the real message!

Lifesaving Surgical Chip

Silicon Valley enters the operating room

A tiny computer chip that detects abnormalities in the blood could mean the difference between life and death for some patients in surgery. Doctors at Newcastle University in England who developed the silicon chip are now using it to monitor levels of critical blood chemicals during operations.

"During surgery, levels of certain elements in the blood can fluctuate, sometimes endangering the patient's life," says Arthur Covington, a professor of electroanalytical chemistry at Newcastle. "Potassium, for example, can rise to life-threatening levels and, in patients receiving blood transfusions, lowered calcium levels can cause irreversible brain damage."

With the new monitoring procedure, blood from a patient's arm flows through a device containing the chip, which then sends electri-

cal signals to a microcomputer. The resulting analysis is displayed on a computer screen, giving the anesthetist an immediate visual reading of chemical levels in the patient's blood. This replaces the lengthy traditional method of taking periodic blood samples for analysis.

So far, the chip has been used only in delicate transplant operations. But with some additional research, the device could soon become a routine part of nearly all major surgical procedures.

"We are now working closely with cardiac transplant teams," says Covington, "and the device has shown great promise for use in liver transplants as well. The only obstacle at this time is the economics of widespread distribution."

Covington says approval of the chip by the U.S. Food and Drug Administration will not be a problem, and a major firm has an interest in marketing it. As soon as negotiations are done, the chip should be available in the U.S.—RICK BOLING

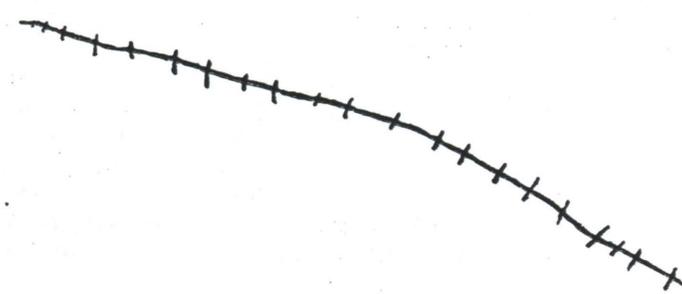
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man 3-2-2



Naturally, the question arises as to who fixed the hole in the ozone layer?

Pam Beach Posters

Six F-117As Flown in Panama Invasion; Air Force Broadens Daytime Operations

DAVID F. BOND/WASHINGTON

Six Air Force/Lockheed F-117A stealth fighters were flown nonstop to Panama and back to the U. S. during the night of Dec. 19-20 as part of Operation Just Cause, according to the commander of the U. S. attack forces.

Two of the F-117As supported an air drop of Army Rangers at Rio Hato, a Panamanian Defense Forces installation considered critical to the U. S. invasion (AW&ST Jan. 1, p. 32). Army Lt. Gen. Carl W. Stiner, commander of the 13th Airborne Corps and the Panama joint task force, said last week that two other F-117As were intended for "various other targets" that were not attacked. The remaining two aircraft were backups to the four that were committed to combat.

Speaking separately last week in Washington, Ben R. Rich, the head of Lockheed Corp.'s "Skunk Works," described training and operations at the 37th Tactical Fighter Wing, the Air Force's F-117A unit. Rich said about 175 pilots—"a very restricted community"—have flown the aircraft to date.

Lockheed and the F-117A system program office at Air Force Systems Command's Aeronautical Systems Div. were chosen last week to receive the National Aeronautic Assn.'s 1989 Robert J. Collier trophy. They were nominated by Gen. Larry D. Welch, Air Force chief of staff.

The F-117A was flown for the first time in June, 1981, and has been operational since October, 1983, but the Air Force did not acknowledge its existence until November, 1988. The Panama attack was its first combat mission. The Pentagon had not disclosed how many F-117As took part in the Rio Hato raid, however, nor had it revealed that other F-117As were involved in Panama operations.

POTENTIAL TARGET SITES

"I think they [the F-117As] tanked about four or five times by the time they completed that mission," Stiner said. "They flew all the way down, hit the target at H hour and returned without [an intermediate] landing."

The second pair of F-117As was intended to support attempts by special operations forces to capture Panama's dictator, Manuel Noriega. The aircraft were not used, Stiner said, because Noriega was not at any of the potential target sites.

Stiner said he chose the F-117A for the Rio Hato raid because the Air Force told him it was more likely than any other

aircraft to accomplish his objective—nighttime delivery of 2,000-lb. bombs within 150 meters of structures at the site without hitting the buildings or causing them to collapse.

The F-117A can laser targets for its own laser-guided bombs, Stiner commented. AH-64 Apache attack helicopters can deliver laser-guided Hellfire missiles accurately enough, he said, but these aircraft were needed elsewhere and they lacked "the wallop that I wanted."

Rio Hato was important because it housed two elite infantry companies, an

The Pentagon had not disclosed how many F-117A stealth fighters took part in the Rio Hato raid

airfield, a major arms cache and schools for noncommissioned officers and cadets, Stiner said. The plan was to strike without warning with what amounted to "a giant stun grenade," confusing soldiers while they were in their barracks. This was frustrated when Panamanian forces learned of the impending invasion 3 hr. in advance. At Rio Hato, soldiers had armed themselves and were at the airfield by the time of the raid.

Still, the F-117A operation was a success, Stiner said. "When those two bombs went, it got their attention. Many of them say they didn't know what on Earth that was. And they began to throw down their weapons and run."

The 37th Tactical Fighter Wing operates at the Tonapah test facility at Nellis AFB, Nev. Rich said it has more than 2,500 persons, a 12,000-ft. runway and 54 hangars for individual F-117As. About 200 officers live in the Las Vegas area on weekends and in dormitories at Tonapah during the week. At Tonapah they are on a nighttime schedule, a shift in their body clocks of 5 to 8 hr. Rich likened it to weekly commuting to Korea.

Typically, an F-117A pilot's workweek starts on Monday about 1 p. m. with a flight to Tonapah on a 727 operating under contract with the Air Force, Rich said. Monday night flying normally is limited to a single mission in order to ease the pilot's transition to a nighttime schedule.

Until the Pentagon acknowledged the

existence of the F-117A, operations were conducted only at night for security reasons. "The doors to the hangared stealth fighters were never opened until 30 min. after sunset," Rich said. "All lights were turned off before the hangar doors were opened, and, even then, all ground operations were conducted in a blacked-out mode. During the summer months, this meant that the unit didn't turn a wheel until around 9 o'clock. As a result, our flying window could go as late as 3:30 in the morning, with the pilots getting to bed around 5 a. m."

Now, combat-ready pilots fly about 65% of their sorties at night, Rich said. They practice in-flight refueling two or three times per month. About 25% of the F-117A pilots are qualified in the T-38 trainer as well.

To increase their flying time and maintain daytime fighter skills, instructor pilots fly the T-38 as they evaluate F-117A students.

The F-117A pilots fly three or four times per week. The dual-qualified pilots fly one or two additional flights per week in the T-38, for a total of about 20 hr. per month.

CONCERN ABOUT FATIGUE

Pilots who fly only the F-117A thus are in the air less than the Air Force average, 19.5 hr. per month, but Rich said pilot fatigue is "a genuine concern" because of the nighttime schedule. "The Air Force has worked very hard to overcome the typical macho fighter pilot attitude that 'it's not manly to say you're too tired to fly,'" he remarked. "In the 37th Tactical Fighter Wing, it is considered a sign of strength to admit you're not ready to fly."

Pilots are volunteers who sign up for three years. They must have 1,000 hr. flight time, "not for proficiency but for maturity." In Tonapah's training squadron, new pilots learn basic flying skills and weapon delivery in daytime flights that are confined to the local area. After assignment to one of the 37th's two operational squadrons, they fly "out to about 200 mi. from Tonapah," all at night, to develop mission skills. When they are combat-ready, they fly "much greater distances and against increasingly more difficult targets."

Lockheed has delivered 57 of the 59 F-117As ordered by the Air Force, and the remaining two will be delivered this year. The aircraft is manufactured at a low rate—only five have been delivered during the past 15 months. □

Human Skull Launched Into Space On Secret Military Shuttle Flight

CRAIG COVAULT/WASHINGTON

A human skull was launched into orbit as part of the secret military payload carried by the space shuttle Atlantis, which returned to Earth Mar. 4 after a four-day mission.

The Atlantis flight was the second time the human head, filled with space radiation detectors, was flown on a military space mission.

The 11-lb. skull was supplied by the Air Force and is scheduled to be launched a third time in April.

After Atlantis made a routine landing at Edwards AFB, Calif., the skull immediately was flown back to the Johnson Space Center for analysis.

The "phantom head," as it is officially designated, was mounted on the right wall of the shuttle middeck near the lower end of an astronaut sleeping bag.

The detector-filled skull is part of a joint NASA/Air Force effort to study the effects of space radiation on the body for use in planning space station missions and lengthy stays on the Moon or Mars. An

actual human skull is needed to obtain the best data on how much space radiation penetrates the head. Additional radiation detectors known as "Bonner Spheres" were flown along with the skull.

The skull came from an individual who willed their body to science, but had no knowledge their head would eventually make three orbital flights on the space shuttle, according to Mark A. Bowman, a technician in the Flight Projects Group at the Johnson Medical Sciences Div.

Researchers do not know the sex of the person who donated the skull, he said. But since the head is small, measuring 6 x 8 x 10 in., they believe it is female.

In addition to using a human skull, Johnson Space Center researchers are considering launching into space the torso of a human cadaver.

"It is anticipated that a full torso will be flown in future shuttle missions to verify [a radiation] organ-dose equivalent model," according to a Johnson document on the project.

The skull was first launched Aug. 8 as part of the shuttle Mission 28 military payload carried by the orbiter Columbia. On that flight the orbiter went into a 57-deg. high-inclination orbit that provided a higher radiation dosage than the head could have received during a standard equatorial mission flown at 28.5 deg.

The Atlantis mission just completed went into an even higher 62-deg. inclination orbit, providing the head more radiation at high latitudes.

THIRD LAUNCH PLANNED

The skull is scheduled to be launched for a third time on board the Hubble Space Telescope mission set for launch Apr. 12. On that flight, the orbiter Discovery is scheduled to reach a record shuttle altitude of 330 naut. mi. This will allow the instrumented head and other radiation sensors to collect data from an extremely high altitude.

For its space mission, the skull was first sliced into sections an inch thick. More than 100 dosimeters and nuclear track detectors then were inserted into the head bones. The skull was reassembled and covered with a plastic material formulated to act like human skin and tissue, giving the head facial features.

"The objective of this joint NASA/Defense Dept. investigation is to establish and verify analytical and measurement methods for assessing and managing [astronaut] health risks from exposure to space radiation," according to a NASA document outlining the project.

"Low-Earth orbit flight involves exposure to a mixture of primary radiation types—trapped protons and electrons, and galactic cosmic radiation... plus secondary radiations produced in the spacecraft structure... and within the crew's bodies.

"The secondary radiation consists mainly of fragments of heavy ion projectiles and the fragments of nuclei hit by energetic particles," according to the project document.

"Assessment of the [astronaut health risks] from this complex radiation field is further complicated by the fact that the same amount of absorbed energy from different types of radiation can have very different biological [effects]," the document said.

A more advanced radiation detection system involving a spectrometer that can measure the level and type of radiation affecting human tissue is scheduled for launch on shuttle Mission 37, set to orbit Gamma Ray Observatory in November. □

First Soviet Shuttle Orbiter Grounded From Future Flights

WASHINGTON

The Soviet Buran orbiter that made the USSR's first successful space shuttle liftoff and landing will not be launched into space again.

The No. 1 Buran orbiter was used in the single flight launched Nov. 15, 1988. But it was built without a life support system, full avionics system and fuel cell electrical system. It would be too costly and difficult to modify the vehicle for a future useful unmanned or manned flight, the Soviets believe.

The No. 2 Buran orbiter nearing completion at the Baikonur Cosmodrome is scheduled to fly an unmanned mission in 1991, possibly to the Mir space station. The Soviets' first manned shuttle flight will occur no earlier than 1992 (AW&ST May 8, 1989, p. 20).

In other Soviet space developments, the USSR has begun to develop the capability for a closed-loop life support system based on a chemical recycling process.

Former Soviet cosmonaut Valery N. Kubasov is in charge of the chemical life support development at the Soviet Energia design bureau. He told AVIATION WEEK & SPACE TECHNOLOGY his program is designed to chemically change urine produced by the cosmonaut crew

into oxygen and hydrogen gas and water that is pure enough to drink. The oxygen would then be breathed by the crew.

The hydrogen would be combined chemically with the carbon dioxide given off by the crew to form methane that could be used as a rocket propellant.

A space-based garden providing green plants for the crew to eat also would be part of the system.

Such a configuration would be attractive for use in a manned mission to Mars, Kubasov said. As a cosmonaut Kubasov flew on Soyuz 6 and the Soyuz used in the Apollo/Soyuz Test Project mission launched in July, 1975. He was in Washington last week to lecture as a guest of the Assn. of Space Explorers, whose members have all flown in space.

Kubasov said the urine conversion system already is being tested in space on board the new Kvant-2 module docked to the Mir space station. The unit is producing pure water, oxygen and hydrogen. The oxygen is being used by the current Mir crew, but they are not interested in drinking the pure water obtained by processing their own urine, Kubasov said.

Hydrogen obtained in the conversion is being vented overboard, he said. □