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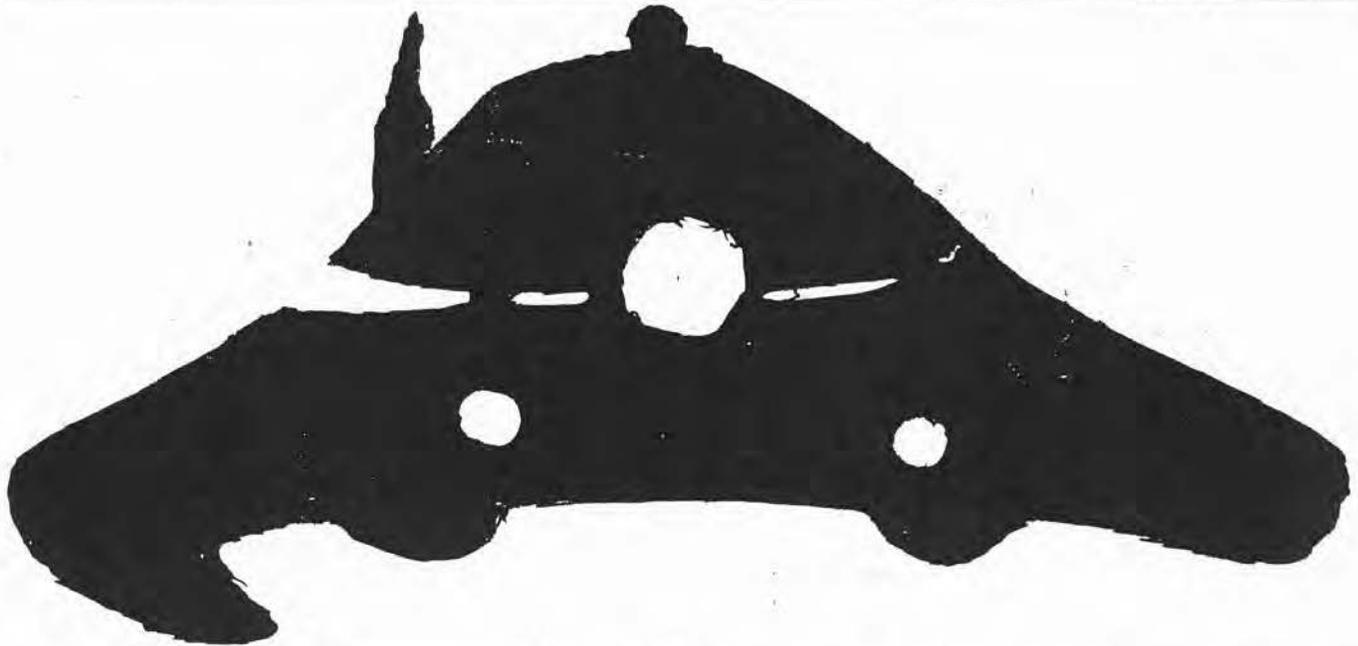
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# BULLETIN

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Crescat scientia vita excolatur (Where knowledge increases, life is ennobled)  
Vol.9 No.3, May-June, 1988

\$3.25



→ 15 Meters ←

CUFORN correspondent Hadassa Arbel of Haifa, Israel has drawn the above replica of a landing trace discovered on the beach at that city. It was found on June 8, 1988, after a report of a multiple-witness sighting on May 28, 1988. It is 150 metres north of the one found after the sighting of September 28, 1987. The latter case was covered in the Bulletin of January-February, 1988, pages 5 through 10. See story inside

IN THIS ISSUE: **SECOND LANDING TRACE DISCOVERED ON BEACH NEAR HAIFA, ISRAEL**

**DRAWING OF UFO SEEN IN RICHMOND HILL, ONTARIO**

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VOGEL'S LAB ANALYSIS OF ALLEGED PLEIADIAN UFO MATERIAL SAMPLES, 1979**

# ***Second landing trace found on beach near Haifa, Israel***

The latest UFO report from Israel has been received from our correspondent Hadassa Arbel of Haifa. The location is the same as the one seen on September 28, 1987—the beach at Haifa known as Shikmona.

It was Saturday, May 28, 1988 at 3 a.m. Two young ladies, Nava Navi, 24, and Vered Beno, 27, saw a huge orange ball of light over the Sonol gas station adjacent to the beach. After four seconds, it suddenly "grew arms" of light like those of an octopus. Nava saw it first, then called her friend Vered to the window to look for herself.

## ***from ball to banana shape***

When Vered got to the window, the UFO took the shape of a banana and moved toward the horizon. The whole sighting lasted about 15 seconds.

Nava's story was reported in the national newspapers on May 30 and the local press on June 4. On June 5, a motorcyclist who read the story phoned Navi and said he saw the same thing at the same time near the beach.

On June 7, Nava's sister told Arbel the beach was scorched 100–150 meters north of the area which was burnt on September 28. Arbel examined the thistle-strewn beach on June 8. Now look at the Arbel drawing on the cover of this Bulletin.

Note the sharp contours. The area is 15 meters in diameter and six meters in height. The white sections represent unburnt patches of thistles. Arbel gathered stone and earth samples, intending to have them checked by scientists. A report will be sent to CUFORN.

## ***similarities***

There are similarities between the two burnt areas:

- 1) Both were imprinted on the 28th of the month.
- 2) Both represent a profile of a UFO.
- 3) Both are symmetrical.
- 4) Both have 'isles' of unburnt thistles appearing like windows.
- 5) There was no ash on the stones.
- 6) The small stones were brown, as if baked by heat from above.
- 7) On both, there were traces of plastic

buckets or bottoms of bottles left on the beach. The tops were melted from above, but the bottoms were intact.

8) There was no burnt smell.

9) Both occurred on Shikmona Beach—this one 100–150 meters north of the previous one.

10) Pieces of wood were found which were a little brownish, not charred.

Arbel says she "can hardly believe" these similarities can be a coincidence.

## ***differences***

There are also differences between the two scorched areas:

- 1) The May 28, 1988 one is much larger than the September 28 one.
- 2) In the newest case, there was no shape of a ufonaut in the profile.
- 3) The initial part of the second sighting had two eye-witnesses.
- 4) The UFO shape is different from the September one.
- 5) There were no holes dug into the ground in the May case.

Arbel theorizes that the beach scorings were intended as a message of sorts. She mentions that the Shikmona burns are 200 meters from the Cave of Elijah, the prophet. Also, the names of the witnesses in both cases may be significant: Ami Achry, meaning 'my people are responsible' and Nava Navi, 'fair prophet'. The 28th is Cimatria, meaning 'power'. We leave it to the reader to interpret a full meaning which incorporates the various parts. If there is a message in all of this, it could be important.

We await further news from Israel.

## GRAPHIC ARTIST SENDS SKETCHES OF UFO SHE SAW IN DECEMBER, 1987

In our November-December, 1987 issue, we reported the CEI of Jackie Cosford, a graphic artist in Richmond Hill, Ontario, Canada, just a few miles north of Toronto. Her encounter took place on December 26, 1987 at 12.30 a.m. at her home in Richmond Hill. She has sent us drawings of what she said she saw. As promised in that issue, we are reproducing her renderings of the UFO. Her comments are reproduced below each drawing.



"When I first saw the object head on, it looked like this, solid brown, approximately 500 feet away and about the size of a baseball held at arm's length."

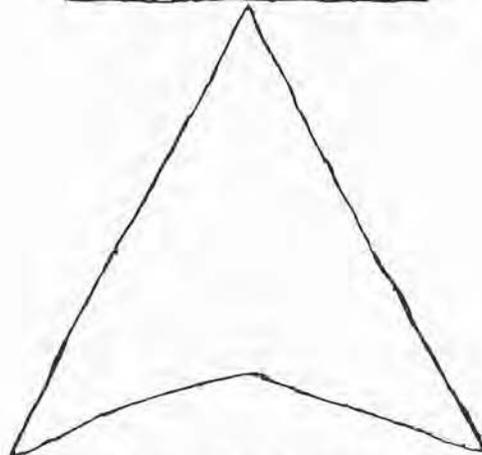
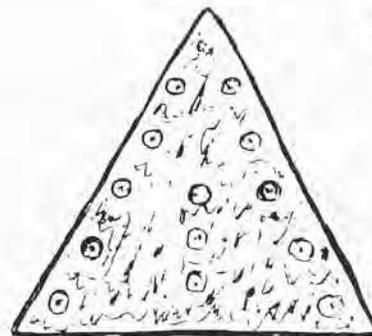
### RECOMMENDED UFO ITEM LIST HAS INTERNATIONAL OUTLOOK

A four-page list of recommended UFO items (58 sources in all) can be yours for only \$2.00 payable by cheque and sent along with a stamped self-addressed envelope. Send it, made out to George D. Fawcett 602 Battleground Road, Lincolnton, NC 28092, U.S.A.

The list has items from the U.S.A., Canada, England and Australia. Included are old and current books, UFO membership organizations worldwide, Freedom of Information documents, videotapes, clipping services, and bumper stickers, amongst the total of 58.

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"As it passed overhead, it looked like one or the other of these two shapes. I can't decide which one. It had small circles underneath. There was no sound, not even the displacement of the air as it passed overhead. It was 50 feet high at a 90 degree angle. Later, I was disappointed in myself for not using my binoculars and getting my husband sooner."

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# HYPNOSIS REVEALS FIVE ABDUCTIONS

Take one highly intelligent, extroverted, pleasant woman, add short and tall humanoid creatures and five UFOs and you have the basic ingredients for one of the most challenging UFO abduction cases ever investigated by CUFORN.

The woman is Betty Stewart Dagenais, 68, of the small town of Bond Head, Ontario, Canada. Her five encounters cover 54 years from 1925 to 1979. They occurred in three municipalities in Ontario.

Her abductions were investigated by Ian Currie, Dr. David Gotlib, Larry Fenwick, Harry Tokarz and Joseph Muskat, with the assistance and advice of Budd Hopkins, David Cherniak, Linda Moulton Howe, David Haisell, George Hathaway, Ray Borg, Olive Baker, Gordon Baker, David Stewart, Judy Stewart, Dr. Howard H. Ferguson, Dr. Earl P. Farber, Dr. L. Blackwell, Dr. Robert Pilliar, Neil Coombes, Robert Bowdler, Chris Doyle, Fred Neub, and William Barker. The institutions used were the University of Toronto, St. Michael's Hospital, and York County Hospital. Television coverage was afforded by CBC-TV's Man Alive and ABC-TV's 20-20.

Betty worked during World War 2 in a responsible job with a radio-electronics company. She also worked for the Ontario Government in a Ministry office in Toronto. She has been a freelance writer since her retirement three years ago. She is separated from her husband, with one son. She has one living brother, Jack and one deceased brother, Donald. As a child she lived with her parents at Port Burwell, Ontario, where her father operated a Marconi wireless station. She is a graduate of Ryerson Polytechnical Institute in Toronto, where she majored in radio-television arts at night school.

## 1986-MET INVESTIGATORS

She first contacted ufology when she wrote to David Haisell of Mississauga, Ontario in the early 1980's. She met CUFORN's investigators in 1986 through Ian Currie of the University of Toronto and Dorothy Wallis, an abductee, who had taken a course in ufology at the apartment of Larry Fenwick of CUFORN.

## "STRICKEN WITH TERROR"

Her first encounter occurred at Port Burwell one summer night in 1925 when she was five years old. "I woke up and felt compelled to go outside in the back



Betty Stewart Dagenais seen here in March, 1987, at the apartment of CUFORN's Larry Fenwick in Toronto, Ontario.

yard. I was stricken with terror as a 'train' approached and I knew it was coming for me. I heard a heterodyning sound—a throbbing or pulsating whining hum. There's a light coming toward me from the lake (Erie). It hovers above the ground. It seems to have a wobble. I'm looking up towards it."

ED. NOTE: The quotes are from regressive hypnosis by Dr. David Gotlib, a psychotherapist in Toronto, who works as a consultant for CUFORN.

"Up. I'm floating. I go inside the craft. Everything is very white and light. Things come toward me—small, grey. The eyes are large and far apart. I'm sitting on a bench." They removed her nightgown. The creatures had large heads, slender, pale whitish-gray skin, large bulging eyes, small faces, and were wearing skin tight

CONTINUED FROM PAGE 4

stretchy satin costumes. One creature called her by her name and reassured her saying, "You're a little girl." They levitated her on her stomach. One of them pinched her bottom "trying to see the texture of my body". She said she was floating around in their cabin and not doing anything.

"There are instruments on a panel. Three of them. I feel as if I'm dreaming. I want to put my nightgown back on. One of them has a long steel needle. It has things that come out of it-things that drop down. " Then she was taken out of the UFO and placed on the ground."I'm standing on the grass. I hear a call from my mother. They had floated me back. I go in the back door. Our collie dog is lying there and won't move. I'm back in my bed. I'm going to sleep."

"The following morning, I ran outside to examine the ground for railroad tracks. I experienced the recurrence of the humming sound several times, always leaving me with a feeling of panic. After that, I would not go near the engine room door of the station generator as the underlying beat-upon-beat of the equipment elicited the same panic."

"The experience," Betty later told CUFORN, "left me with precognitive abilities, clairvoyance, clairaudience, clairsentience, and what is now referred to as telekinesis or control over matter."

## YELLOW SKIN

Incident number two was a short while later that same summer. "I was lying on the grass. It was daytime. The grass was moving. I saw the ship. The craft is on the ground. There are beings there. It's another type of craft. They have yellow skin and it's wrinkled. I think they have a sense of humor."

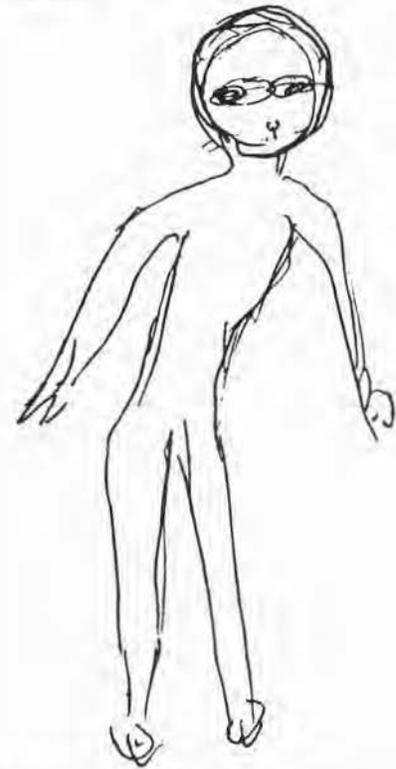
ED. NOTE: We are omitting the questions from Dr. Gotlib so we can focus on her answers.

"The craft is pointed at the ends, flat like a saucer. They don't stand up in the craft. They have to use bays and lie down to go into flight. They have dark eyes, piercing. The craft is very flat. It has contours-domed, but the sides are ellipses. They just fit into areas which contour to their bodies when they lie down. They look as if they're comfortable. " They took her inside, and took off. "We're flying higher and higher. One of them lifted up her curls : I didn't want them to do that." They landed later. She doesn't remember how long they were in the air or where they went. "I heard my mother call me." She returned home.

ED NOTE : Much of the regressive hypnosis tapes are unintelligible due to some background interference from some EM source, despite checking for any such source prior to taping each session.



The UFO as Betty drew it when she consciously recalled the second 1925 incident.



Betty's drawing of the humanoids in the two 1925 incidents.

## THIRD INCIDENT

Betty's third encounter with aliens and UFOs happened on the night of July 12, 1961. She was living in a two-storey house in the York Mills section of Toronto opposite St. Andrews Golf Course (now a park). She was taken from her bedroom on the second floor of the house, out onto the balcony which overlooks the driveway.

She was "floated on board a brightly lit craft. She said she glided along the ground into the UFO which had a wedge-shaped room.

CONTINUED FROM PAGE 5

She described the interior of the UFO. "I'm surprised to see what looks like a calendar on the wall. It's blocked off in different colors--red, green, yellow, indigo blue, and white. There are just as many white blocks as there are colored. The squares are 1½ by 1½ inches, and look like they're made of a shiny plastic."

"There's a doorway with funny-looking things across it in a horizontal pattern. They look like fibrous rods. I think you could walk right through that and you wouldn't feel them. Just in front of the door, there's a mat. It looks like its part of the floor. It's only about a foot wide and about three feet long. I think it's something they just put out. It's dark brown and fuzzy."

She also recalled seeing two other rooms in the UFO from her vantage point, but did not recall entering

them. She had no idea how long she was on the UFO. She said they first stood in the room observing her.

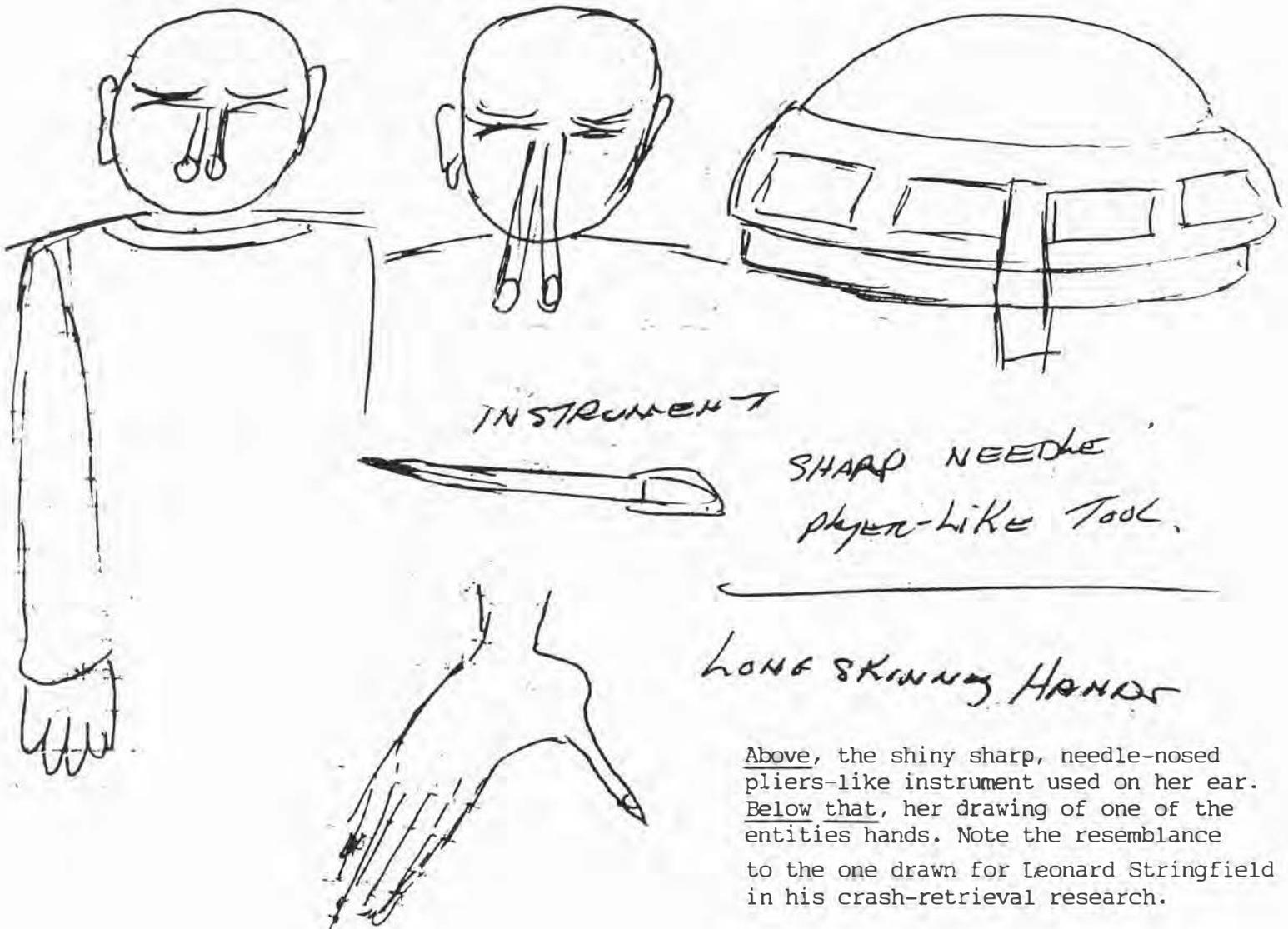
There was a revolving index wheel on the floor of the room. It had a handle and contained pouches of beige plastic four inches long by three to four inches deep, affixed to the wheel.

The humanoids then changed into gray robes. They put a bib-like covering on her, above her neck. At this point, under hypnosis, she said she noticed a cylinder projecting from the ceiling about four inches. It looked like an inverted turntable with a light in it and

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Below, left, Betty's drawing of the two beings she saw on board a UFO in the late 1960s.

Below, right, the UFO as she saw it prior to being taken inside it in 1961. Note the ramp in the foreground. The UFO appeared outside her balcony and was 6-7 feet in diameter, she said. She was pulled into the middle of it.



Above, the shiny sharp, needle-nosed pliers-like instrument used on her ear. Below that, her drawing of one of the entities hands. Note the resemblance to the one drawn for Leonard Stringfield in his crash-retrieval research.

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was 20 to 24 inches in diameter.

They placed her on a movable steel table and passed her back and forth on it two or three times. It tilted up to allow her to stand on her feet. When this was done, she heard one of them say, 'Look the other way.' She saw nearby a foot-long box with tiny squares in it. Inside each square were "tiny pellets --very, very small. One said to the other, 'You use it'. I see a long, black case. They're taking something out of it. I'm now beside a stand mounted in the floor looking like a parking meter and of a creamy white color."

"They're putting a pellet on the end of the instrument. The instrument looks like a combination of a pliers and pincers. One of them pushes the end of the instrument with the palm of his hand and the pellet is finally held by the instrument."

### **PELLET WITH PRONGS**

"The pellet has two prongs sticking out of it at one end. One of them is adjusting the handle of it. Someone says, 'This one won't need any help.' They put it on the outside of my left ear, on the cartilage back of my ear. I hear a buzzing sound from it. It has lights flashing on it. It's cold when they put it on my ear. He sticks it in. He gives it a little push. 'It's done', one of them says. They just took it out, and took off the bib. I felt no pain during the operation."

Now one of them says, 'Home now'. They are taking me by the elbows. We're floating. They're taking me out of the ship. We're going through my balcony door into the living room. There's a large solid light on the balcony. I'm in my bed now."

"It's morning. There's something in my ear. I must have been bitten by something. I think it is outside my ear, not inside. My ear is red, swollen and itchy."

After 1961, she felt a gradual thickening of the cartilage in her left ear. A clicking sound has been heard intermittently.

A heat-seeking device used on her ear in 1987 showed an outline of an oblong shape, with four(not two) prongs sticking out. This was done at the Masor Clinic run by David and Judy Stewart, as reported in the Bulletin, Nov.-Dec., 1987. A compass placed next to her left ear by Larry Fenwick showed a slight deflection,

but was not deemed significant. A dental x-ray showed a cashew-shaped outline where a possible implant could have inserted.

Regressive hypnosis sessions took place after an exploratory meeting on December 2, 1986. Hypnosis was done on December 10 and 31, 1986 and January 14, 1988 at Dr. Gotlib's office in Toronto.

### **SURGERY TRIED**

Surgery took place at York County Hospital in Newmarket, Ontario on March 7, 1988 to remove a possible implant. Tissue was removed and taken to the University of Toronto's Department of Metallurgy and Materials Science. An examination of the sample with a Scanning Electronic Microscope failed to disclose anything unusual. The hospital surgery by Dr. Earl P. Farber, was videotaped by CUFORN's Joe Muskat. The surgery was paid for under Betty's coverage provided by the Ontario Government's Health Insurance Plan. The cost of the use of the Scanning Electronic Microscope was paid for from the personal funds of Co-Director Larry Fenwick.

Sometime between 1965 and 1969, Betty was abducted again. We were unable to pinpoint the year. Betty was still living in the York Mills house. At one interview with Betty, she seemed to think it was 1966 when this occurred.

### **RECALLED GLIDING**

She did not remember how the incident began, but said under hypnosis that she recalled gliding toward the hatch or ramp of the UFO(see page 6 for drawing). She said the UFO was over a body of water, which may have been Lake Ontario. "There were two beings on board. One was facing me while the other had his back to me as he worked at the dials on the panel in front of him," Betty said.

"They had large square-round heads with no obvious neck. The eyes were spaced far apart. They had large noses. The skin was gray-white. They had no hair. Their hands were five-digitated with stubby fingers and 3/4 inch webbing between the fingers. They

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wore long gray polo pajamas and sandals."

## A STRANGE NOSE

"The most remarkable facial feature was the nose, with nostrils ending into two little elephant-like trunks about three or four inches below the collarbone. The entity who was facing me had obviously undergone surgery to remove his trunks. He had a prominent nose with very large nostrils. At that time, I could not see the double trunks of the being who had his back to me. When the one at the panel turned around to face me, he tucked his trunks very quickly into the neck of his shirt."

Betty lost recall under hypnosis, possibly due to some heavy block placed on her memory by the beings. All she could remember of the remainder of the incident was that the beings "put something on my neck which looks like a combination lock. It burns a little." There was a round burn the size of a silver dollar inflicted on her at the fifth vertical vertebra at the base of her neck. It faded out after two or three days. She had not bothered to see a doctor, and only noticed it when she took a shower which made the mark hurt.

## 20 MINUTES MISSING

It was 6.25 p.m., December 22, 1979, when Betty had her fifth encounter. Her late brother was driving as they went along Highway 9, between Upper Canada Mall and Highway 400, northwest of Toronto. It was normally a 20 minute drive on a 15 mile route at 55 miles an hour. However, it was a foggy night so they were going 30 mph. It took them 50 minutes, meaning there was a 20 minute time lapse.

This time, however, she met entities, 5'10" who looked like ordinary humans, 30 years old, with lightly tanned skin.

Under hypnosis, Betty said: "We came into a very heavy fog, heading west. We were the last car in a string of at least four cars, rounding a curve. There were no oncoming headlights on the eastbound section of the road."

They entered a dense black cloud and, when they emerged, she looked back and the cloud had disappeared. Moreover, the traffic pattern had completely changed. There were no cars ahead of them and no place where the cars could have turned off the road. Eastbound car headlights now were in view. It seemed to take only six seconds to traverse the cloud, yet 20 minutes elapsed as it turned out.

Under hypnosis, Betty said: "My brother doesn't seem to mind driving in the fog. There's

a cloud, all black, swirling in our lane ahead. It's just as if someone put black velvet all around the car. I see them walking toward the car. We're not moving now. They're wearing gray-green coveralls. They're about 5 ft. 10 in. They look like us. They seem very jovial. They open the door on my brother's side first. He says 'Don't, don't'. There are two on his side, one on my side. They have one hand on my wrist and one on my back. We walk. I think my brother has been left in the car."

"The inside is green. I'm standing around inside it. One says 'Do you always wear boots like that?' They lift me up and down. They pick some sort of equipment off a table. One looks at the ends of his fingers. He's thinking about something. He moves something on me, back and forward."

'Going to take you back', one says. One escorted me back to the car. He stepped behind me and clapped his hands once. I moved in slow motion into the car. My brother is sitting in a rigid position in the car. He doesn't notice me getting in the car. Then we get home."

Betty sensed that they were from the Pleiades constellation, yet she had never read anything about Eduard Meier or any abductee or contactee who had mentioned the Pleiades. She told CUFORN that they colonized everywhere and that we are one of their colonies. They told her they would meet her again in 1989.

Dr. Gotlib remarked in his summary letter to CUFORN; "Curiously, when regressed in hypnosis to a point in her car trip after the incident, she appeared to have no memory of the UFO."

Betty has joined CUFORN and is in touch with us regularly. She has had no psychological trauma as a result of her encounters and is still curious as to the meaning of her experiences. She claims several other odd experiences, but space considerations prevent discussion of them.

An added bit of background about her: She worked as a time and motion study person years ago for Canadair, an aircraft manufacturer. At the age of 16, she built a transformer in her basement. She has a varied educational background as well. She has taken courses in public relations, journalism and business management at the University of Toronto and Ryerson Polytechnical Institute in Toronto.

# ASKING THE RIGHT QUESTIONS ABOUT THE MAJESTIC 12 - PROJECT AQUARIUS DOCUMENTS - EDITORIAL

by Lawrence J. Fenwick

The MJ-12-Project Aquarius documents have provoked one of the most heated discussions ever seen within the ufological community. What are we to make of it, after reading everything printed on the matter?

One important conclusion must be evident. It is in the interest of the military intelligence agencies to engender disruptive disputes. It is not so much a matter of divide and conquer as much as it is one of divide and do research unimpeded by the chance that civilian researchers may find out the truth about UFOs and tell the public. So far, that strategy has worked.

If there had been more researchers working cooperatively, more could have been discovered about the documents and less time wasted arguing about their authenticity. Moore, Shandera and Friedman should have added Stringfield, Greenwood, Fawcett, Maccabee and others to the team immediately. It was absolutely essential. Now, we may never know what more could have been discovered. As the late Dr. J. Allen Hynek said to me in 1979, 'What we need is cooperation, not debate. That's the way to get at the facts.' We also need patience, perseverance, and a large dose of humility.

We should ask how much of a role does incompetence within government bureaucracy play. We are dealing with various departments of the American government's intelligence network who may not always work cooperatively with each other. Filing errors are made. ~~Memo~~ and letter-writing styles vary from decade to decade and from person to person.

Some light may be shed on what is going on by quoting Richard C. Doty, the man who gave the documents to ufologists. In his letter of March 4, 1988, he said, 'I am no longer employed by the Air Force Office of Special Investigations.' Given that he was involved in counter-intelligence with AFOSI, he may have been lying and still be with AFOSI, or he may have been fired for releasing the documents.

Since Doty refuses further contact, we recently asked researcher and TV documentary producer Linda Moulton Howe about her feelings on the matter. She said "For at least 30 years, pieces of information relating to UFOs--the possibility of extraterrestrials associated with these craft--have been presented to a variety of media people--newspaper writers, radio

reporters, television producers, screen writers--and in this pattern a repetition of one material has been presented."

"Many times, material is withheld that has been promised, or later there has been a denial that the information that was presented was true."

"The question should be: 'Why would the government of the United States present this material to a variety of media people over a period of years, unless someone had serious concerns about extraterrestrials?'" , Howe said.

"The second part of this would be: 'Why would there be so much energy put into lying after the fact, fracturing truth in an effort to restructure history?', she said.

"What would be the reason for getting the truth out in this odd way? Or, conversely, what would be the reason for being so evasive?"

There could be two different factions at work within the intelligence community. One wants the people to know the facts; the other wants the truth suppressed.

Howe added: "There also could be an awful lot of misinterpretation by a lot of people of things that might relate to extraterrestrial visitors that have nothing to do with the documents that have surfaced in the past year or so."

If the forces who want the facts kept under wraps have good reasons for doing so, they could at least let the public know what those reasons are. This is presuming that there are two factions at odds with each other. In the interests of those who may want the people to get the truth, I quote an old saying, "Know ye the truth and the truth shall make ye free."

Comments on GENESIS III Video of  
Dr. Marcel Vogel's Laboratory Analysis of Alleged Pleiadian  
UFO Material Samples, 1979

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Introduction

In 1979, Dr. Marcel Vogel was asked by a team of UFO investigators (W. Stevens et. al.) to examine samples of alleged extraterrestrial UFO material. This material was supplied to them by Billy Meier, alleged contactee and the central figure in the book UFO: Contact From The Pleiades and other Genesis III publications. A video was made in 1979 of this examination by a Japanese film crew following the Meier case. The following is a brief discussion of the Vogel analysis. Vogel claims to be a senior materials scientist who was with IBM research laboratories in San José, California with many (unconfirmed) patents and a long history of specialization in optical microscopy. According to Vogel, the analyses were performed on various microscopes in a \$250,000 optical microscopy lab personally assembled by himself.

Vogel's first statement of interest is that the "metal oxidizes under high intensity light". No figures or evidence is cited to support this conclusion. Is this oxidation in the presence of oxygen? If not, what does he mean by "oxidize"?

Vogel goes on to state his complete surprise that for the samples analysed, there was "no diffusion between phases". Usually in a heated sample consisting of various alloying metals, there is almost complete to totally complete intermixing of the constituents, so that they are indistinguishable one from the other. However, it is not uncommon in many terrestrial mixtures to see this lack of diffusion. Certain metals just don't mix until extremely high temperatures are reached. As well, even moderate diffusion may not be able to be detected using optical microscopy, having a limit of some 2000 diameters in magnification.

Regarding the first sample, Vogel finds it "remarkable" that a sample supposedly of metal has so many birefringent areas. He gives no indication of why he believes the sample is metallic in its entirety. Many metal crystal phases exhibit this change in reflected polarized light intensity and colour, which is not at all remarkable. Evidently the "analyser", or "crossed field analyser" referred to by Vogel is a standard set of polarized filters, one on the light source and one on the eyepiece, either of which is rotatable. This is very useful, as Vogel states, in highlighting different components of a mixture.

Vogel mentions a lava-like flow pattern. It would be nice to see either a clearer video or better, a drawing of the surface. Many well-known processes, both intentional and inadvertent can produce such "cold flow" patterns.

Much of the above discussion applies also to the second specimen. In general, Vogel's observations show a lack of detailed metallurgical explanation and such gross physical descriptions as fracture type, shearing zones, if any, type of deformation, etc. are conspicuously absent from his comments. Perhaps this is intentional, given the likely audience at which this video analysis is aimed. It could hardly be said to be a detailed metallurgical analysis, but simply an advanced layman's description based on purely optical observation. It is also very important to realize that the world of microscopic surfaces and fractures is as complex as it is myriad. Even the most skilled in the art cannot hope but to be able to classify only the gross physical characteristics of a microscopic surface. To say that any given surface is remarkable or highly unusual and out of the ordinary is to have observed (and remembered) billions and billions of microscopic surfaces.

After examination of the second specimen, we come to the long-awaited scanning electron microscope (SEM) examination of a sample (whose number is not clear). An Hitachi field emission SEM was used and surprisingly, according to Vogel, no gold (or carbon) plating of the sample was needed to give great depth of focus. If the sample was primarily metallic and conductive, it would not need such plating anyway. A comment was made that qualitative analysis (not shown) revealed that the sample was a mixture of copper, nickel and silver. Vogel then went on to state that silver solder has substantially the same composition. Nothing further was said to indicate just how close the sample was to actually being silver solder!

It is unfortunate that this was the extent of the SEM analysis for this case, SEM probably being the most important type of analysis. It should have been given much more space. Vogel is an optical microscopist, however, and the SEM was apparently done by another scientist for him.

Next we come back to the optical microscope and see Vogel's attempt to deal with the size of the samples by introduction of a scale apparently graduated in microns. Whatever the scale actually was, Vogel exhibits a confusion uncharacteristic of one skilled in the science of measurement regarding a millimeter being one thousandth or one millionth of a meter. Perhaps nerves got the better of him. We are also told of, and shown Vickers (?) hardness testing marks made on samples by someone in Switzerland. What were the results of these?

With \$250,000 worth of microscopy apparatus, why does Vogel only use the polarizing analysers and interference contrast techniques?

Finally we get to see an SEM elemental analyser spectrum, apparently from a crystalline area of sample 4 or 5 (not clear). However, there is so much noise in this first spectrum up to 10 keV that real peaks may be hidden. Those that do poke out of the noise are silicon and sulfur in approximately equal amounts, and a smaller iron peak. This type of spectrum may be typical of many quartzite minerals bearing iron and sulfur. From a separate sample (5?) we see a second spectrum indicating bromine, thulium and small peaks of argon and silver. The argon could have been trapped when the sample was molten in an argon atmosphere. The presence of thulium, a rare earth, is, as Vogel states, unexpected. Why this may be significant is not discussed by Vogel.

A final sample (6?) is discussed in confusing and vague terms and then we learn that a sample completely disappeared from a sealed plastic envelope.

In summary, Vogel should be congratulated for open-mindedly examining such controversial material. However Vogel's analysis is quite superficial and especially lacking where most important, that is, in SEM and spectrum analyses. Most disconcerting is not knowing whether the spectra

presented were overall specimen averages or from tiny selected areas and if so, where exactly? Vogel claims that he couldn't explain how these sample could have been put together and that he would like to find out if they occur naturally. One would have thought that this was the main point of the whole exercise!