Dear Astronomical-Artist  Friend --

As you have probably heard, planning has begun for the 3rd International Space Art Workshop, to be held in Hawaii Volcanoes National Park, on the "big island" of Hawaii. This is my first mailing to firm up the plans. As announced in the IAAA bulletin, Parallax, I have reserved for us the nights of March 23-April 5 at Magma House, with the help of the staff at the Volcano Art Center, which will co-sponsor our workshop. Magma House is a Park building with dorm and kitchen facilities, where we held our first workshop.

Many of you are familiar with our workshop plans. Nearly a dozen of you came to Workshop 1 and nearly 20 to Workshop 2. For those of you who missed either the first or both, this mailing will fill in some of the background you want.

WHAT IS A SPACE ART WORKSHOP?

In 1982, with the help of the Volcano Art Center (VAC) I organized a workshop in Volcanoes Park in Hawaii. Nine artists and assorted family came. Fast friendships were formed. In late 1983, one of that group, Michael Carroll, organized our second workshop in Death Valley. All the first group returned, new friends appeared as well, and the International Association of Astronomical Artists was born.
The idea of the workshops has been to let artists get out and observe landscape forms that relate to other planets, and to interact with each other. We have hikes, time for sketching, time for painting from life outdoors, time for seminars where each person presents tips on techniques, & time for joint critiques of any work you care to present. We also organized a show in Hawai at the VAC. A few paintings were sold, but the main satisfaction was in seeing our work hanging together in a great, rustic, volcanic setting, and in adding to the show as we created new pieces.

I am enclosing selected pages from the mailing I prepared in 1982 for the 1st workshop. This presents much that you need to know or remember about the Kilauea volcano area and Magma House.

IS THIS JUST A RERUN OF WORKSHOP 1?

No. Necessarily, we will repeat some reconnaissance tours on the first day, but I hope to vary even those. Also, I have proposed some backpacking to new sites, such as an overnight at Halape Beach. Bring backpacks and sleeping bags for these outings, as well as a sleeping back at least for the proposed campout on Mauna Kea, when we'll have our best look at Halley.
WHAT ABOUT COMET HALLEY?

The southern location, relatively high altitudes, and DARK skies of Hawaii should insure a better look than from anywhere in continental US, especially urban US. However, for myself, I wouldn't come to Hawaii just to see the comet, because I understand it will be essentially a fuzzy 3rd magnitude star -- not a very grand spectacle! It is a bonus and we will be in a good position to see it. Bring binoculars. Wide-field binoculars with high light-gathering power should be the best equipment to see Halley -- better than a moderate sized telescope, in my opinion.

SCHEDULE

I enclose a proposed schedule on next page. It is subject to change, but gives an idea of what we can do.

HALEAKALA?

Haleakala is another volcano on neighboring island, Maui, just ½ hour flight from Hawaii. Several people urge a visit. It rises to 10,000', has a National Park & trails across large summit caldera with colorful cinder cones and ash beds -- different terrain than in Kilauea. We tentatively propose a 3-day add-on trip to Maui for those who can make it. We will try to get a cabin reservation for summit. You can hike to the cabin in the caldera, come out next day.

Smooth (pahoehoe-type) lava flows in Hawaii Volcanoes National Park. Venus? Mars? Moon before regolith?
<table>
<thead>
<tr>
<th>DATE</th>
<th>MORNING</th>
<th>AFTERNOON</th>
<th>EVENING</th>
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<tbody>
<tr>
<td>MARCH 22 SAT</td>
<td>ARRIVE Hilo-Drive (3 1/4 hr) to Volcano Park</td>
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<tr>
<td>23 Sun</td>
<td>CAR TOUR AROUND KILAUEA</td>
<td>SKETCH HIKE</td>
<td>&quot;SHOW YOUR STUFF&quot; SLIDE SHOW 12 a.m.</td>
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<tr>
<td>24 Mon</td>
<td>SKETCH HIKE TO THURSDAY LAVA TUBE</td>
<td>PAINT</td>
<td>MOUNT SHOW IN VOLCANO ART CENTER (PAINTINGS WE BRING)</td>
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<tr>
<td>25 Tue</td>
<td>LEISURE SKETCH HIKE IN KA'U DESERT (MARS!) ~7 MILES</td>
<td></td>
<td>Seminar 1  Seminar 2</td>
</tr>
<tr>
<td>26 Wed</td>
<td>PAINT</td>
<td>PAINT</td>
<td>Critiques</td>
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<tr>
<td>27 Thu</td>
<td>SKETCH HIKE BYRON LEDGE &amp; KILAUEA KILOMETRE CRATER</td>
<td>PAINT &amp; FRAMING</td>
<td>ADD TO V.A.C. SHOW</td>
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<td>28 Fri</td>
<td>PAINT</td>
<td>PAINT</td>
<td>PUBLIC EVENING</td>
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<tr>
<td>29 Sat</td>
<td>HIKE DOWN PALI CLIFF TO BEACH AT HALAPE (~7 MILES - BACKPACK)</td>
<td></td>
<td>VOLCANO ART CENTER</td>
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<tr>
<td>30 Sun</td>
<td>RETURN FROM HALAPE (~7 MILES - BACKPACK VANILLA 850')</td>
<td></td>
<td>LECTURE</td>
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<tr>
<td>31 Mon</td>
<td>PAINT</td>
<td>PAINT</td>
<td>CAMP ON BEACH AT HALAPE, THEN BECOME HALAPEANS - A SOUTHWEST</td>
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<tr>
<td>1 Tue</td>
<td>CAR TRIP TO MAUNA KEA VISIT SUMMIT (14,000'... MARS!)</td>
<td></td>
<td>Seminar 3</td>
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<tr>
<td>2 Wed</td>
<td>MOVE ON TO HAPUNA BEACH PARK</td>
<td>PLAY IN SURF DINNER IN KONA</td>
<td>Seminar 4</td>
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<tr>
<td>3 Thu</td>
<td>PAINT</td>
<td>PAINT</td>
<td>Seminar 5</td>
</tr>
<tr>
<td>4 Fri</td>
<td>OPEN DAY - COLLECT MOUNTAIN PICTURES AT VAC</td>
<td></td>
<td>Seminar 7</td>
</tr>
<tr>
<td>5 Sat</td>
<td>SOME DEPARTURES</td>
<td></td>
<td>&quot;PARTY&quot;</td>
</tr>
<tr>
<td>6 Sun</td>
<td>PROPOSED TRIP TO HIKE &amp; CAMP IN HALEAKALĀ CRATER (10,000') ON MAUI IF WE CAN GET PERMIT; FOR</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ANNOUNCEMENT....
FOR PROPOSED HISTORIC
FIRST INTERPRETIVE SPACE ART WORKSHOP,
SCIENTIFIC LEARNING SESSION,
& GENERAL 

Following pages are from mailing for the 1st workshop in 1982. They explain much....

* Or, if other professionals have conferences, why can't we?

Kilauea Iki Trail
WHAT IS IT? A 2-week paint-out, workshop, vacation, discussion group, and chance to improve our art. A chance to hike, observe, sketch, and paint some of America's most spectacular volcanic landscape in Hawaii Volcanoes National Park at minimal cost, on the island of Hawaii. A chance to organize and hang work in a show of astronomical art and volcanic landscape-inspired art, to begin at the Volcano Art Center in the National Park and to travel to other galleries in Hawaii.

WHY? The main motivations include:

- providing circumstances for space artists to visit the spectacular volcanic terrain, lava flows, rift cracks, craters, lava tubes, ash fields, steaming vents, Devonian fern jungles, windswept deserts, and your general lunar, Martian, Ganymedian, and prehistoric scenery. The theory is that this will improve the accuracy of our space art, particularly among those of us who live in places where they cover up the ground with things like grass and trees.

- a chance for communicating, exchange of experience critiquing, and technique swapping. In my own view, the images made by current space artists play a subtle but important role in promoting and influencing future space exploration. We have a mutual obligation to encourage each other to get it right!

- helping to support art in the National Park System. The Volcano Art Center is a unique gallery within the Volcanoes National Park, dedicated to exhibit and sales of various arts and crafts related to the volcanic region and to Hawaii. They would benefit not only from our show but also from a vigorous workshop, which might generate publicity and sales.

HOW DID IT COME ABOUT? I have often stopped by the Volcano Art Center (VAC), usually after observing runs at nearby Mauna Kea Observatory. VAC is a favorite and special place. In 1979 I gave a talk there on space art and spent two weeks as a visiting artist. I showed slides provided by some of you and Ron Miller's Space Art book. VAC expressed considerable interest in this type of work, and there has also been interest from local astronomers and geologists (Univ. Hawaii, United Kingdom, Canada-France-Hawaii, and the U.S. Geological Survey Volcano Observatory all have offices on the island).
Since then, VAC and I have talked of getting a workshop organized. Some attempts at obtaining outside partial support have failed to date but are continuing. Meanwhile, I received indications of enthusiasm from some of you at the Planetary Society's Pasadena Planetfest, and we have decided to go ahead and schedule the workshop, in hopes that many of you can plan to come.

FINANCING. The project would be self-financed with each participant paying his or her own way. Start saving now! My last round trip flight to Hawaii from Tucson was around $450. VAC and the Park make available our quarters at a low rate which we hope will average out to not more than $6 per person per night — cheap for accommodations in Hawaii! Meals would be extra but we have kitchen facilities and in past workshops, VAC has coordinated buying groceries en masse so that meals are relatively inexpensive. For an occasional splurge, the Sheraton Volcano House hotel is about a mile away and has an excellent dining room overlooking Kilauea caldera. For a minisplurge, the lunch counter at the village of Volcano about 3 miles away has the world's best cheeseburgers, etc. Three ways to further reduce costs:

- Sell a painting or two during the show. Bring 2 or 3 ready-made salable pictures so you have something to start with.

- Article: I propose to write an illustrated article about the workshop and submit it to Smithsonian or similar magazine. I'd propose to split the portion of the payment for art work in proportion to space occupied by work of different artists as reproduced in the article (or some similar formula we could agree on). Provides cash and exposure.

VAC is working on some financial support for 1985 workshop. We may get something. We'll keep you posted.

Start inquiring soon about air reservations since some special fares might be available from your area if reservations are made in advance and your agent knows about them.

PRECEDENTS? VAC has hosted numerous workshops in the past on painting, writing, photography, dance, etc. They are attempting to do more of this as one means for supporting VAC. The workshops are usually open to public participation at a higher fee than we are discussing; I'd propose to keep this one limited to

*Hatko: "Nothing could be greater than a dinner by the crater."
our own active group, unless there is an active desire to have a special open teaching session in which we act as teachers to anyone who signs up. (This could be done over one weekend and might raise a little money to offset your costs and be shared with VAC. If this appeals to you let me know.)

WHAT ARE THE FACILITIES? We'd stay at "Magma House," a large frame building near the research offices of the Volcano National Park. (See Map.) Magma House is in the park and a few hundred yards from the hiking trail along the very rim of the 1 km-wide crater, Kilauea Iki. You can hike into Kilauea Iki easily from Magma House. Magma House has:

- 2 large sleeping areas (nominally 1 and 2, but we can be creative) each with about 8 single bunk beds (bedframe + mattress provided).
- Electricity
- Separate 1 and 2 bathrooms
- Running water
- A 20x30' common work area with tables
- Large kitchen
- Laundry area (working state in doubt; laundromat in Volcano village)

Decor at Magma House is somewhere between rustic and your old 3rd grade schoolroom. My plan is that we'd each take out our own work area. The Volcano House would be available for a splurge night to get away from the crazy artists and mix with real people. (But don't go to Volcano House for lunch, when it is filled with lines of people bussed up to see the park from Hilo, all complaining about the lack of beaches, palm trees, and waves. By mid-afternoon they have left, which is when the real people come out.) Reservations advised in advance at Volcano House.

ART MATERIALS: Bring your own. The Hopaco Stationary store in the Hilo Shopping Mall has a fair supply of Liquatex and other acrylic and oil materials, varnishes, etc. and an assortment of Hyplar pre-mounted canvasses up to at least 30 x 40", which would save transporting larger pieces to Hawaii. Richard Cunningham in Hilo has an excellent frame shop. Would be cheaper & easier to bring your own frames (knocked down metal frames?) so you can hang your work at Volcano Art Center.
WHAT WOULD EACH ARTIST BE ASKED TO DO?

- Be cheerful & friendly.
- Contribute at least two pieces to the show. One piece should be an example of your astronomical art and could be brought with you from mainland in order to get us off the ground quicker. I envision several days to paint before we mount the show. The second piece should ideally be inspired by some scene in the Kilauea volcanic area to provide the local tie-in.
- Leave at least two pieces for display and for sale during the show, to be added to inventory at VAC if not sold during the show. The show would last 90 days, after which you could write to VAC and request return of unsold pieces. However, I'd suggest leaving the pieces to establish a "presence" at VAC and among visitors to Hawaii Volcanoes National Park -- a cross section of potential patrons interested in natural history and unlikely to see our astronomical and volcanological work elsewhere.
- Possibly be willing to contribute a pen or pencil sketch or some similar small tribute as a gift in return for aid that might come from local interested parties (example: transportation to and from trails for hikes, etc.).
- Be willing to give a short "seminar" (½ hour?) on some aspect of your work or experience. Could be a demonstration of a technique, a talk on commercial or market experience, a slide show with comments on technique or "theory" behind depicting things as you do. The seminars would be an informal but semi-organized way to share knowledge.

WHAT WILL WE DO? Schedule remains to be finalized, but p. 6 shows an example I conjured up. I'd like your further input. More hikes? Less hikes and more individual time? Is 2 weeks too long?

If your DNA molecules are remotely like mine, you'll be inspired to paint and sketch just by being there. I'd propose to maintain a schedule of some sketching hikes, some time for presentations & talk & mutual critiquing so we can learn from each other, and some time for painting either at Magma House or in the field, either alone or in groups. Also some free time. We should probably follow some schedule in a mildly self-disciplined way just so we don't end up spending two weeks in a drunken torpor under a giant fern -- which would be easy to do in this location.
WHAT IS THE SETTING LIKE? Spectacular and planetary! See park folder. Climate is mild and rapidly variable. It can go from sunshine to fog and drizzle, and back again in an hour because the 4000-foot elevation is near cloud level. Temperatures range from coolish (60's) to warmish (80's). Magma House and VAC are on the forested side of the Kilauea crater with frequent mist; but the other side of the crater, about 3 miles away, is the Kau Desert, more dry and barren.

Bring garments ranging from hiking shorts to a sweater and lightweight rain gear. Most hours of most days (usually) are sunny with scattered clouds.

WILL WE GET INUNDATED BY MOLTEN LAVA OR BURIED UNDER MORE THAN 100 METERS OF INCANDESCENT ASH? Probably not. Kilauea's volcanism is a quiet (Pacific) type quite different from Mt. St. Helens' continental explosive type. About 90% of the time, the only sign of volcanism is sulfurous-smelling steam issuing from numerous fissures. Every few years there may be an eruption that produces a spectacular fire-fountain or lava flow, and may offer red-glowing lava for days or months. The whole mountain is instrumented by the USGS Volcano Observatory, which monitors and predicts eruptive activity. Occasional minor tremors are felt every few weeks. About the only thing that happens in the event of an eruption or swarm of tremors is that a road might be closed. Meanwhile, people are rushing to (not away from) the Park in order to see and photograph the activity. Standard practice is to go hoping there will be an eruption during your visit.

HOW TO GET THERE? Fly to Hilo. The direct flight from LA to Hilo is far more convenient than flying through the monster-maze Honolulu airport, where you have to deplane, change terminals (fairly easy) and catch a local, interisland airline. But direct flights to Hilo have been cut back in recent years and currently the only one is offered by United. There used to be one from San Francisco, too, but it has been dropped. Check schedules.

Notify VAC of your arrival time and we will meet you at Hilo airport to provide transport 28 miles up the Kilauea flank to the Park.

WHAT TO DO NEXT: Fill out the attached sheet and send it to me by Nov. 1 as a preliminary indication of interest. At this stage we are just canvassing for level of interest and suggestions. I'll plan later mailings to keep those of you who express interest posted. If nobody is interested we can drop the whole thing and go back to painting in lonely, dimly-lit, poorly ventilated garrets.
COMMENTS REQUESTED: Ideas expressed here are pretty flexible. Let me know what you think. Too many hikes? Should they include geological commentary by me and/or others? Do you like the idea of each of us presenting a short seminar on some aspect of our work? Are you willing to share some techniques or will this risk having others rip off your prized secrets? Will you let the rest of us peer over your shoulder now and then?

MANIFESTO (Every art movement gotta have a manifesto): We are trying to show that there are more landscapes than the landscapes of earth and that there is more to life in the future than life on Earth.
CURRENT LIST OF ATTENDEES AT 3rd WORKSHOP

Respondents who said they expect to come +No. in Party

Kurt Burmann 1?
David Campbell 1 ?
Mike Carroll 1
Dennis Davidson 1?
Bill Neumann !
Paul Hudson 2
B. E. Johnson 2
Robert Kline 1?
Andy Chaikin 1?
Pam Lee 3?
Ron Miller 2
Kim Poor 1
Maralyn Vicary 1

TOTAL WHO SAY THEY WANT TO COME

16 TO 22

Others who responded "Maybe" on their blue postcard

Bob Eggleton 1
Michael Goodwin 1
Joel Hagen 1
Lauri & Larry Ortiz 2
Pat Rawlings 1
Joe Tucciarone 1
Mary Zisk 1

TOTAL ADDITIONAL MAYBES
8 TO 10

TOTAL REPRESENTED BY ALL WHO EXPRESSED INTEREST - 24 TO 34.

MY GUESS IS WE MAY GET ~20 PEOPLE PAID UP WHO WILL COME TO HAWAII.

NOTE: WE MAY GET CROWDED AFTER ~20-25 BODIES ARE PAID, I MIGHT HAVE TO CUT OFF PARTICIPATION. GET YOUR DEPOSIT IN EARLY!