



640 N. A'ohoku Place, Room 203, Hilo, Hawai'i 96720

Telephone: (808) 933-0734 Fax: (808) 933-3208

Mailing Address: 200 W. Kawili Street, Hilo, Hawai'i 96720

## Minutes Regular Meeting

Mauna Kea Management Board  
Tuesday, August 27, 2002  
Kūkahau'ula, Room 131  
640 N. A'ohoku Place  
Hilo, Hawai'i 96720

### Attending

**MKMB:** 1<sup>st</sup> Vice Chair Rob Pacheco, 2<sup>nd</sup> Vice Chair/Secretary Barry Taniguchi, Heather Cole, Jim Kennedy, and Barbara Robertson

**Kahu Kū Mauna:** Ululani Sherlock and Ed Stevens

**OMKM:** Arnold Hiura, Stephanie Nagata and Bill Stormont

**Others:** Claude Berthoud, Greg Brenner, David Byrne, Richard Crowe, Bill Heacock, Ron Laub, Ron Koehler, Daniel Lee, Wendy Light, Mike Maberry, and Pablo McCloud

### I. CALL TO ORDER

First Vice Chair Rob Pacheco called the Mauna Kea Management Board (MKMB) meeting to order on August 27, 2002 at 10:00 a.m.

### II. APPROVAL OF MINUTES

It was moved by Jim Kennedy and seconded by Heather Cole that the minutes of the June 4, 2002 meeting of the MKMB be accepted. The motion was carried unanimously.

### III. DIRECTOR'S REPORT

#### A. Reappointment of Board Members

At its regular meeting on July 19, 2002, the Board of Regents reappointed Arthur Hoke and Jim Kennedy to second terms on the MKMB. Their terms are effective July 1, 2002 and run through June 30, 2006.

#### B. MKMB Election of Officers

Board members were reminded to elect officers for the year 2002 - 2003.

#### C. Rangers

New Rangers. Two new rangers, Daniel Lee and Pablo McCloud, were introduced to the Board. Mr. Lee has an extensive background in law enforcement, and Mr. McCloud has experience in leading conservation and ecology tours.

Ranger Training. The Hawaii Community College (HawCC) sponsored two-week intensive ranger training course, The Summer Institute on Mauna Kea, held in July, was a success. HawCC is currently working on developing modular components to be used for future training. This course may be offered again in two years.

Barry Taniguchi suggested that an executive summary of the training course content would be helpful to board members and asked if the office would prepare one. Rob Pacheco asked what the time frame was for completing the write-up of the curriculum.

Other Training. Ranger Kimo Pihana and Pablo McCloud attended a three-day course on Global Positioning System (GPS) and Geographic Information System (GIS). All rangers are scheduled to attend a 40-hour First Responder course in October.

**D. Visit by Paul Costello, UH Vice President for External Affairs and University Relations**

Earlier this month, IfA, OMKM, and UHH hosted Paul Costello to an evening visit to the summit of Mauna Kea, including star gazing at Hale Pohaku. The following morning Mr. Costello was given a tour of the summit with an orientation by Director Stormont and Ed Stevens of Mauna Kea's natural and cultural resources. Mr. Costello also met with MKMB and Kahu Kū Mauna members to gain insight and input on Mauna Kea.

Dr. Kennedy felt the meeting helped Mr. Costello realize there is no quick fix to the Mauna Kea situation. It is unclear what role Mr. Costello will play with respect to Mauna Kea. Ed Stevens stated he had a good feeling about Mr. Costello and his reactions to his visit to Mauna Kea.

**E. Protocol**

A group from Hawaii including Paul Coleman (IfA), Arthur Hoke, Guy Kaulukukui, Larry Kimura, Kimo Pihana, Ululani Sherlock, Hannah Springer, Ed Stevens, and Bill Stormont will travel to Arizona in September to meet with Native American tribal representatives, and Kitt Peak and Mt. Graham observatory personnel. Also joining the group will be Jim Kennedy who worked in Arizona and is familiar with the history of observatory development, issues, and controversy surrounding observatory development at the two locations.

The purpose of this Bishop Museum sponsored trip was to explore the relationship between Native Americans and observatories. There are parallels between those two places and Mauna Kea, and hopefully the Hawaii group will be able to learn from the Arizona experience.

**F. Update on the Proposed NASA Keck Outriggers Project**

A new hearings master, Dawn Ching, has been assigned to the contested case hearing. She replaces Boyd Mossman who recently resigned. A pre-hearing to determine standing of applicants is set for September 17, 2002.

**G. Wekiu Baseline Survey Update**

Dr. Greg Brenner reported he recently completed field work on the third of his baseline monitoring surveys. A fourth survey is scheduled for November. He presented a brief summary of the first two surveys.

Survey 1 (February, 2002). 1 bug/trap/3 days of sampling. The overall average was 3 times greater than the 1997-98 results of a wekiu study on Mauna Kea. There was a total of 10 traps, 5 on Pu'u Hauoki and 5 on Pu'u Wekiu. Wherever possible, the traps were placed as close to the locations of the traps used in the 1997-98 study. There was a heavy blanket of snow on the summit at the time of the February survey.

Survey 2 (May, 2002). 10/bugs/trap/3 days of sampling. The overall average was 25 times greater than the 1997-98 study.

Combined Results: 6 bugs/trap/3days with an overall average 5 times greater than the results of 1997-98 study. Twenty-five percent of the captured bugs were nymphs (immature bugs) indicating the wekiu were breeding.

Dr. Brenner hypothesized the incidence of the number of wekiu may be a function of temperature. If the temperature is too low, there will likely be less bugs. It is still uncertain what drives the population cycle. One possibility is that it is weather related.

In response to Mr. Stevens question of whether the wekiu population is rebounding, Dr. Brenner stated he thought so. Looking at past survey results, in 1982 wekiu were very abundant, in 1997-98, there were very few, and in May 2002 the numbers were again high.

Rob Pacheco asked if anyone was doing basic biological research on the wekiu. Dr. Brenner indicated that if the Outrigger Project goes forward, NASA has committed to fund a graduate student to conduct an autecology study.

Lycosid Spiders. Dr. Brenner mentioned that although he caught a few Lycosid spiders (0 caught in February; 2 in May and 3 in August), these spiders are not abundant on the pu'u, but more are found in the flat areas between the pu'u.

Mr. Stevens thanked Dr. Brenner for his sensitivity to the mountain and the care exercised in carrying out his work.

#### **H. Associated Press**

The office received word that Associated Press (AP) – London will be doing a story on the Mauna Kea controversy. Representatives from AP will be in Hilo on September 9 and 10, 2002 to conduct interviews. Kate Wester, Director of Public Relations, is the UH liaison. The office is concerned about the fair representation of OMKM, MKMB, and Kahu Kū Mauna. Since Bill will be away on a trip to Arizona, Walter Heen will represent the office.

#### **I. Hale Pohaku Signage**

Following up on a request from President Dobelle, and upon discussions with the rangers, Director Stormont is proposing to erect signs guiding visitors to the VIS. It is proposed that one sign be posted on the way up from the Saddle Road, and the other coming down from the summit. Director Stormont is also recommending enhancing existing signs, for example, signs pointing out the hazards of Mauna Kea.

Mr. Pacheco mentioned that it s difficult to see signs at night and during bad weather. He asked if lighting for the signs was being considered. Mr. Taniguchi suggested that the signs should be lit during bad or foggy conditions.

### **IV. COMMITTEE REPORTS**

#### **A. Kahu Kū Mauna Council**

Mr. Stevens reported the Council is taking measures to fill the remaining two vacancies and would like to recommend for reappointment Mikahala Roy to another term on the Council. Recommendations for the vacancies will be forthcoming.

#### **B. Administrative Rules**

Mr. Taniguchi reported that while working on the preliminary draft, a survey would be helpful to get feedback from the community. A survey is being developed for distribution to OMKM's mailing list. A press release will be prepared notifying the pubic of the opportunity to participate in the survey.

#### **C. Astronomy Education**

Dr. Kennedy reported a tentative meeting is scheduled for September 17, 2002.

**D. Environment Committee**

Mr. Pacheco reported a meeting will be scheduled to discuss projects for submittal to the Board for approval.

**E. Hawaiian Culture Committee**

Barbara Robertson reported she plans to schedule a meeting.

**F. Public Safety and Conduct**

No report.

**V. NEW BUSINESS**

**A. Proposed Siting of a UHH Educational Telescope**

Dr. William Heacock, Chair of the Astronomy Department at UHH, announced he will be submitting a proposal to the Board for the siting of UHH's educational telescope. It was reported at the June 4, 2002 meeting that UHH received a grant from the National Science Foundation for the acquisition of a 1m instructional telescope.

The new telescope will provide opportunities for hands-on technical training and create new jobs. It will also make available a much-needed research and educational tool for UHH undergraduate astronomy students, as well as a resource for secondary school students. Dr. Heacock mentioned that this new facility hopefully will generate interest in astronomy at the secondary school level. It is his vision to institute live feed broadcasts to schools.

**B. Forum on Access**

During the ranger training course the issue of traffic and concern about the potential impact of the Mauna Kea Astronomy Education Center (MKAEC) on Mauna Kea was discussed. There is a strong feeling that MKAEC will result in an increase in traffic on Mauna Kea. Infrastructure at the VIS is heavily used and it is necessary to begin looking at solutions for handling the future visitor increase.

The office would like to initiate discussion on overall access. One thought would be to hold the forum on October 22 in lieu of the regularly schedule MKMB meeting. Participants would include, but not limited to, OMKM, MKMB, Kahu Kū Mauna, and MKMB Committee members.

**VI. ANNOUNCEMENTS**

Wendy Light announced Dr. Gary Davis will be will be the new director of the Joint Astronomy Center effective September 4, 2002

**VII. NEXT MEETING**

The next meeting is scheduled for September 24, 2002, 10:00 a.m. (This meeting was subsequently canceled.)

**VIII. ADJOURNMENT**

First Vice Chair Rob Pacheco adjourned the meeting at 11:30 a.m.

Respectfully submitted:

Signed by Barry Taniguchi

Barry K. Taniguchi, Secretary, MKMB

October 22, 2002

Date