

PROCEEDINGS  
OF THE  
HAWAIIAN ENTOMOLOGICAL SOCIETY  
FOR THE YEARS 1991, 1992, 1993

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MINUTES FOR 1991-1993

The following are brief synopses of the minutes of the meetings of the Hawaiian Entomological Society for the years 1991-1993. More detailed minutes are kept with the Secretary of the Society. The following abbreviations are used throughout: BPBM = Bishop Museum, Honolulu; HDOA = Hawaii State Department of Agriculture, Honolulu; UHM = University of Hawaii at Manoa, Honolulu. Many of the "Notes and Exhibitions" were printed previously in *Hawaiian Entomological Society Newsletter* (vols. 1-3).

1991

JANUARY

The 1021st meeting of the Hawaiian Entomological Society (Annual Dinner) was held at the Tripler Army Medical Center's Officer's Club at 6:00 pm on Monday 18 January 1991. Art Buchman served as Master of Ceremonies. 21 Members and 16 guests attended.

FEBRUARY

The 1022nd meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:15 pm on Monday 11 February 1991, with President Marshall W. Johnson presiding. 12 members and 2 guests attended.

**Program:** Dr. Mary Purcell, USDA-ARS, Kaua'i Facility, spoke on the topic "Development of an integrated pest management system for homopterans in California pistachios."

NOTES AND EXHIBITIONS

*Aleurothrixus antidesmae* Takahashi (Homoptera: Aleyrodidae): the possible establishment of this whitefly species as a new record for Hawai'i was reported. Specimens were found on *Ixora* leaves at the Honolulu International Airport by Inspector V. Sugii on 1 March 1990. The various stages of the whitefly were identified by Steve Nakahara, USDA-ARS-SEL, Beltsville, Maryland as *Aleurothrixus antidesmae* Takahashi.

The species is known to occur in Taiwan and the Philippines. Reports in the literature indicate only *Antidesma* sp. (Euphorbiaceae) as a host plant. A subsequent collection on 6 December 1990 of this species was from gardenia leaves at St. Louis Heights on O'ahu.

Collections dating back to 1988 in the HDOA revealed that several specimens collected on O'ahu had been previously misidentified as *Crenidorsum* sp. **B.R. Kumashiro.**

*Acanthoscelides macrophthalmus* (Schaeffer) (Coleoptera: Bruchidae): this bean weevil was reported infesting seed pods of koa haole (*Leucaena glauca*). Six specimens were collected on 26 September 1990 in 'Aiea, O'ahu by R.T. Furumizo, Hawaii State Department of Health, O'ahu. Specimens were identified by J.M. Kingsolver, USDA-ARS-SEL, Beltsville, Maryland and their discovery marks a new state record.

This species was originally described from Brownsville, Texas and has a southerly range extending to Honduras. It was reported in Florida in 1990. Specimens of the Hawaiian interception are deposited in BPBM and HDOA. **G.A. Samuelson.**

*Scymnus (Pullus) horni* Gorham (Coleoptera: Coccinellidae): the accidental introduction of the predator *Scymnus (Pullus) horni* Gorham was reported. Individuals were collected by K. Murai, HDOA, while they were feeding on the yellow sugarcane aphid, *Sipha flava* (Forbes) found on kikuyu grass on the grounds of HDOA, Pawa'a, O'ahu. Specimens were identified by R.D. Gordon, USDA-ARS-SEL, Washington, DC.

This species is widespread and commonly collected in the southwestern United States and northern Mexico. This record constitutes a new state record. **B. Kumashiro.**

*Holepyris hawaiiensis* Ashmead (Hymenoptera: Bethyilidae): this species was recently listed as a junior synonym of *Holepyris glabratus* (Fabricius) in the world catalog of Bethyilidae, by Gordh & Moczar (1990, *Mem. Am. Entomol. Inst.* 46). *Holepyris glabratus* is a parasitoid of pyralid moth larvae in stored products. **J.W. Beardsley.**

### MARCH

The 1023rd meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:00 pm on Monday 11 March 1991, with President Marshall W. Johnson presiding. 25 members and 4 guests attended.

**Program:** Dr. Ronald Prokopy, University of Massachusetts, Amherst, Massachusetts, spoke on the topic "From behavioral ecology to pest management."

#### NOTES AND EXHIBITIONS

*Trentepohlia (Mongoma) australasiae* Skuse (Diptera: Tipulidae): this species had been collected from several localities on both the leeward and windward sides of O'ahu. Specimens were identified by D. Hynes, California State Polytechnic University, San Luis Obispo. This discovery constitutes a new state record.

Specimens of this species are known from Australia, New Guinea, and the Solomon Islands. **D.E. Hardy.**

*Platynota stultana* (Walsingham) (Lepidoptera: Tortricidae): the widespread occurrence of specimens of this omnivorous leafroller from O'ahu were reported and mark the first record of this species from the state. **S.E. Miller & R. Hodges.**

### APRIL

The 1024th meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:00 pm on Monday 8 April 1991, with President Marshall W. Johnson presiding. 21 members and 4 guests attended.

**Program:** Dr. Clinton L. Campbell, Department of Entomology, University of Hawaii at Manoa, Honolulu spoke on the topic "A review of biological control of Klamath weed in Idaho."

### MAY

The 1025th meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:00 pm on Monday 13 May 1991, with President Marshall W. Johnson presiding. 18 members and 3 guests attended.

**Program:** Dr. Andrew P. Taylor, Department of Zoology, University of Hawaii at Manoa, Honolulu, spoke on the topic "Spatial heterogeneity in host/parasitoid interactions: what it does and how to look for it."

#### NOTES AND EXHIBITIONS

*Aphelinus* sp. possibly *humilis* Mercet (Hymenoptera: Aphelinidae): specimens of this parasitic species were reared from individuals of the aphid *Brachycauda helichrysi* (Kaltenbach) that were collected from a young fireweed plant, *Erechites valerianifolia* (Wolf) DC, on the UHM campus on 26 April 1991.

The species appears very close to *Aphelinus humilis* Mercet, a European species known also from India, but not the Americas. Specimens of this newly found species are mostly yellow, contrasting markedly from all other species of *Aphelinus* known from Hawaii, which are mostly black in color. J.W. Beardsley.

*Hayhurstia atriplicis* (Linnaeus) (Homoptera: Aphididae): on 22 April 1991, specimens of this species were collected from an Australian saltbush plant, *Atriplex semibaccata* R.Br., at Hawai'i Kai, O'ahu, heavily infested with this aphid. This is a new island record for this aphid, which was previously collected in yellow pan traps in Kula, Maui. J.W. Beardsley.

*Rhopalosiphoninus latsiphon* Davidson (Homoptera: Aphididae): specimens of this species were collected by Ron Hue and W. Nagamine, HDOA, Honolulu, on watercress in a commercial watercress planting area near Pearl City, O'ahu on 14 March 1991. This marks the first record of this species from the island of O'ahu. It was previously known from Maui and Hawaii. J.W. Beardsley.

#### JUNE

The 1026th meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:15 pm on Monday 10 June 1991, with President Marshall W. Johnson presiding. 16 members and 1 guest attended.

**Program:** Dr. Donald McG. Ewart, University of Hawaii at Manoa, Honolulu spoke on the topic "The other side of termites."

#### NOTES AND EXHIBITIONS

*Notonecta indica* Linnaeus (Hemiptera: Notonectidae): the newly recorded presence of this backswimmer in Hawai'i was noted. Collections in the student collections of UHM revealed that it was collected 11 March 1988 in Waimanalo, O'ahu; 25 November 1988 in Holualoa, Hawai'i; and 12 November 1990 in Hilo, Hawai'i. In late 1990 David Preston, Bishop Museum, collected individuals of this species from the Upper Hamakua Ditch at the Pu'u O Umi NARS on Hawai'i Island. Identification of this new state record was made by Dan Polhemus, Bishop Museum. J.W. Beardsley, D.A. Polhemus, D.J. Preston & J.S. Strazanac.

#### JULY

The 1027th meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:00 pm on Monday 8 July 1991, with President-elect Lynn LeBeck presiding. 13 members and 1 guest attended.

**Program:** Dr. Neal L. Evenhuis, Department of Entomology, Bishop Museum, spoke on the topic "Bombs and daisies: evolution and coevolution of bombyliids and flowers."

#### NOTES AND EXHIBITIONS

*Bactrocera latifrons* (Hendel) (Diptera: Tephritidae): for more than a year, surveys had indicated that this species was established on all the major Hawaiian Islands except Kaua'i. On 3 July 1991, a male emerged from a pupa reared from cherry tomatoes collected 4 June 1991 at Kekaha, Kaua'i. This marks a new island record for this species. E.J. Harris & N.J. Liquido.

*Bactrocera cucurbitae* Coquillett (Diptera: Tephritidae): fruit of kikania (*Solanum capsicoides* All.) from Kalawao, Moloka'i were collected, from which 35 pupae of this species were reared. They yielded 7 males and 11 females of *Bactrocera cucurbitae* Coquillett. This is believed to be the first record of the melon fly from kikania. E.J. Harris & N.J. Liquido.

## AUGUST

The 1028th meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:00pm on Monday 12 August 1991, with President Marshall W. Johnson presiding. 14 members and 2 guests attended.

**Program:** Dr. Russell Messing, Department of Entomology, University of Hawaii at Manoa, Kauai Branch Station, Kapa'a, Kaua'i, spoke on the topic "Classical biological control of the filbert aphid in western Oregon."

## NOTES AND EXHIBITIONS

*Asynonychus godmanni* Crotch (Coleoptera: Curculionidae): the Fuller's rose beetle, previously known as *Pantomorus fulleri* (Horn), *Pantomorus godmanni* (Crotch), or *Pantomorus cervinus* (Boheman), should now be known as *Asynonychus godmanni* Crotch, based on the revision by A.A. Lanteri (1986, *Revta. Asoc. Cienc. Nat. Litoral* 17(2): 161-74). The species is cosmopolitan. G.A. Samuelson.

## SEPTEMBER

The 1029th meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:00 pm on Monday 14 September 1991, with President-elect Lynn LeBeck presiding. 14 members attended.

**Program:** Dr. Adam Asquith, Department of Entomology, University of Hawaii at Manoa, Kaua'i Branch Station, Kapa'a, Kaua'i, spoke on the topic "Composition and biogeography of the heteropteran fauna of the western coniferous forest."

## NOTES AND EXHIBITIONS

*Oedaleus abruptus* (Thunberg) (Orthoptera: Acrididae): an adult male of this species was collected on Parker Ranch near Ke'amuku, Hawai'i Island on 23 August 1991 by G.M. Nishida, Bishop Museum, Honolulu. After identification by Nishida, a specimens of this species was located in the HDOA collections collected at Kukaiau on 21 September 1987 by J. Thropp. The discovery of this species, previously reported from O'ahu, Kaua'i, and Maui, marks the first record from the Big Island. G.M. Nishida.

## OCTOBER

The 1030th meeting of the Hawaiian Entomological Society was held at the Ala Moana Hotel as the first HES Conference. Some 202 people attended (43% of which were HES members) with more than 70 presentations being made.

## NOVEMBER

The 1031st meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:10 pm on Monday 12 November 1991, with President Marshall W. Johnson presiding. 16 members and 1 guest attended.

**Program:** Dr. Amir Omer, Post-doctoral researcher, Department of Entomology, University of Hawaii at Manoa Honolulu, spoke on the topic "Comparative pesticide resistance of whiteflies in California and Hawaii."

## 1992

## JANUARY

The 1032nd meeting of the Hawaiian Entomological Society (Annual Dinner) was held at the Willows Restaurant, Honolulu, starting at 6:00 pm, with President Marshall W. Johnson presiding.

## FEBRUARY

The 1033rd meeting of the Hawaiian Entomological Society was held at the Manoa

Public Library, Honolulu, starting at 2:00pm on Monday 10 February 1992, with President Lynn LeBeck presiding. 15 members attended.

**Program:** Gary C. Jahn, Department of Entomology, University of Hawaii at Manoa, Honolulu, spoke on the topic "The nature of ant/mealybug symbiosis on Hawaiian pineapple."

#### NOTES AND EXHIBITIONS

*Cardiocondyla venustula* Wheeler (Hymenoptera: Formicidae): this ant was listed as *Cardiocondyla* "a" by Huddleston and Fluker (*Proc. Hawaii. Entomol. Soc.* 20: 45-69). I have identified it as *Cardiocondyla venustula* Wheeler. This identification was verified by Roy Snelling of the Natural History Museum of Los Angeles County, Los Angeles, California.

Workers of this ant were first collected in Hawai'i at Palikea Peak on O'ahu in 1960. It was found the following year at Koke'e, Kaua'i. In 1968, Huddleston and Fluker recorded this ant from O'ahu, Kaua'i, Moloka'i, Maui, Lana'i, and Hawai'i. Specimens were collected in 1990 by John Strazanac on Nihoa. The wide distribution when the species was first collected here indicates that this species was introduced to Hawai'i before the 1960s.

*Cardiocondyla venustula* has a wide ecological tolerance. In Hawai'i, it has been found at elevations from sea level to about 1500 m [5000 ft.], in areas ranging from dry (<25 in. annual precipitation) to wet (>100 in. annual precipitation). E.O. Wilson found that colonies living close to water on Florida islands could withstand several hours of submergence in salt water.

It is not known if *C. venustula* tends homopterans. This behavior has been observed in the related species *Cardiocondyla emeryi* and *C. wroughtoni*. *Cardiocondyla venustula* has not been a pest in agricultural areas to date. It does not appear to have penetrated into the interior of undisturbed native forests, but I have found it along roads and trails in these areas. In addition, it does not form large supercolonies (as do our most serious ant pests). Colonies of *C. venustula* that I've encountered contained 1 to 4 queens with less than 200 workers. Therefore, it most likely has little impact in Hawaiian ecosystems.

Specimens have been placed in the University of Hawaii and Bishop Museum collections. Neil Reimer

**New records of Diptera for the Hawaiian Islands:** *Bactrocera ochrosiae* (Malloch) (Diptera: Tephritidae): three specimens were collected in Wailua Valley at 600 ft. [182 m] on Moloka'i on 27 August 1972 by J. Kjargaard.

This species is known only from the Southern Marianas Islands: Saipan, Tinian, Agiguan, and Guam. It has been reared from fruits of the following plant genera: *Aglaia*, *Eugenia*, *Malpighia*, *Ochrosia*, *Terminalia*, and *Ximenia*. This is a potentially important economic species if it is found to be established in Hawai'i.

*Hemerodromia stellaris* Melander (Diptera: Empididae): the larvae have been known on Oahu since ca. 1975 and the adults first recorded as "*Hemerodromia* sp.?" in 1985. It has now been found in several streams on O'ahu and Kaua'i.

Specific identification was made by Dr. John F. McDonald, Purdue University. The species was previously known only from the type locality in southwestern Texas, north of Big Bend National Park.

*Dixa longistyla* Takahashi (Diptera: Dixidae): a series of adults of this species of meniscus midges were collected along a stream in upper Manoa Valley in December 1991 by William Perreira. The larvae are aquatic, feeding as scavengers in streams. Specific identification was made by Dr. T. Michael Peters, University of Massachusetts, Amherst.

This is the first record of the family Dixidae in Hawaii. It was previously known only from Japan and China.

*Chonocephala* sp.? probably *pallidulus* Beyer (Diptera: Phoridae): 2 female specimens of this phorid fly were collected from the Alaka'i Swamp Trail, Kaua'i, July–August 1991 from pitfall traps by Adam Asquith.

These flies are scavengers on rotting vegetation. The females are wingless, pscocoptera-like creatures with no halteres or ocelli. They are very much unlike Diptera in general appearance. Confirmation of specific identification requires males. **D. Elmo Hardy.**

*Aspidiotiphagus lounsburyi* (Berlese & Paoli) (Hymenoptera: Aphelinidae): specimens of this armored scale parasitoid were reared from the coconut scale, *Aspidiotus destructor* Signoret, from guava leaves collected at Waimanalo, O'ahu by Chui Chao-hon in October 1984. I have since reared numerous females from 2 common armored scale species, *A. destructor* and *Abgrallaspis cyanophylli* (Signoret), on Singapore plumeria leaves on the UHM campus during January 1992 and made the specific identification.

This species is widely distributed, being known from Florida, Europe, Africa, and Australia. **J.W. Beardsley.**

### MARCH

The 1034th meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:00 pm on Monday 9 March 1992, with Treasurer Neil Reimer presiding. 33 members and 3 guests attended.

**Program:** Marshall W. Johnson, Department of Entomology, University of Hawaii at Manoa, Honolulu, presented his presidential address "The Hawaiian Entomological Society in the Year 2000."

### APRIL

The 1035th meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:00 pm on Monday 13 April 1992, with President Lynn LeBeck presiding. 12 members and 3 guests attended.

**Program:** Dr. Mary Cornelius, Department of Entomology, University of Hawaii at Manoa, Honolulu, spoke on the topic "Tritrophic level interactions: the effects of host plant traits on two predators of lepidopteran larvae, the Argentine ant *Iridomyrmex humilis* and the paper wasp *Mischocyttarus flavitarsis*."

### NOTES AND EXHIBITIONS

*Johnsonia elegans* Coquillett (Diptera: Sarcophagidae): seven specimens of an unknown sarcophagid collected in Waikiki on 17 and 19 April 1991 were brought in to me by Bernarr Kumashiro, HDOA. These were subsequently forwarded to Dr. Thomas Pape, Zoologisk Museum, Copenhagen, who determined them as *Johnsonia elegans* Coquillett.

This species is known from Florida and Mexico where it has been reported parasitizing the snail *Succinia brevis*. This fly is a small species, very similar in size and appearance to our common *Helicobia morionella* (Aldrich) but is distinguished by having the apical cell of the wing closed and petiolate and the abdomen rufous.

One other specimen in the HDOA collection appears to be this species. It was collected at the National Marine Fisheries (adjacent to UH Manoa Campus, next to Manoa Stream), but was not reported because only one specimen had been collected. **D. Elmo Hardy.**

### MAY

The 1036th meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:00 pm on Monday 11 May 1992, with President Lynn LeBeck presiding. 21 members and 2 guests attended.

**Program:** Dr. Robert G. Hollingsworth, Department of Entomology, University of Hawaii at Manoa, Honolulu, spoke on the topic "Agriculture in Papua New Guinea."

## JUNE

The 1037th meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:00 pm on Monday 8 June 1992, with President Lynn LeBeck presiding. 17 members and 1 guest attended.

**Program:** Dr. Kathleen Delate, Department of Entomology, University of Hawaii at Manoa, Honolulu, spoke on the topic "Tropical nut borer in macadamia."

## JULY

The 1038th meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:00 pm on Monday 13 July 1992, with President Lynn LeBeck presiding. 12 members and 1 guest attended.

**Program:** Greg Luther, Department of Entomology and Parasitology, University of California, Berkeley, spoke on the topic "Soybean entomology in Java."

## NOTES AND EXHIBITIONS

*Lixus mastersi* Pascoe (Coleoptera: Curculionidae): specimens of an immigrant weevil new to Hawai'i have been identified as *Lixus mastersi* Pascoe by Richard T. Thompson, The Natural History Museum, London. Specimens were originally collected by William Perreira in August 1989 in a sugarcane field in Ewa, O'ahu. Additional specimens have since been collected from various locations on O'ahu (UHM campus, Kahala, Kapiolani Park, and Waipahu) by Perreira, P. Wong, and R. Pyfrom.

This species is native to eastern Australia and no information on its habits or relationships are readily available. J.W. Beardsley, B.R. Kumashiro & W.D. Perreira.

*Stelidota* sp. (Coleoptera: Nitidulidae): two specimens of a small immigrant sap beetle, the genus and species new to the Hawaiian fauna, were determined by G.A. Samuelson as *Stelidota* sp. Specimens were collected in January 1992 by W.D. Perreira from Kapiolani Park and the University of Hawaii Experimental Farm at Waimanalo (the latter on dried guava leaves). No other information on this beetle is known. J.W. Beardsley, B.R. Kumashiro, W.D. Perreira & G.A. Samuelson.

## AUGUST

The 1039th meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:00 pm on Monday 10 August 1992, with President Lynn LeBeck presiding. 13 members and 3 guests attended.

**Program:** Dr. Kevin Spollen, Department of Entomology, University of Hawaii at Manoa, Honolulu, spoke on the topic "Evaluation of the fitness and efficacy of a carbaryl-resistant strain of *Aphytis melinus*, a biological control agent of California red scale."

## NOTES AND EXHIBITIONS

*Iridomyrmex* sp. (Hymenoptera: Formicidae): around 10 April 1992, larval and adult ants were discovered at Tripler Army Medical Center (TAMC) in military equipment recently returned from near Darwin, Northern Territory, Australia. Additional specimens were discovered in equipment carriers on 30 April 1992 at Schofield Barracks, O'ahu.

Specimens were tentatively identified as *Iridomyrmex* sp. by John Jaworski, Army Medical Entomologist at TAMC. Subsequent examination of the specimens by Alan N. Anderson, CSIRO Tropical Ecosystems Research Centre, Darwin, Australia, confirmed the genus identification. Species identification is pending examination by Roy Snelling of the Natural History Museum of Los Angeles County, Los Angeles. T.W. Culliney, S.J. Hayashi & B.R. Kumashiro.

## SEPTEMBER

The 1040th meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:00 pm on Monday 14 September 1992, with Secretary Susan McCombs presiding. 14 members and 2 guests attended.

**Program:** Glen Jackson, USDA, Tropical Fruit & Vegetable Research Laboratory, Hilo, spoke on the topic "Parasitism of *Lygus* spp. by mymarid wasps: development of an augmentative release program."

## NOTES AND EXHIBITIONS

*Hippelates proboscideus* Williston (Diptera: Chloropidae): a Neotropical species from Central America and the Caribbean area, this species is known in Hawai'i from 2 female specimens collected in Makiki Valley, O'ahu by William D. Perreira and identified by Dr. Curtis Sabrosky, U. S. National Museum, Washington, DC. This belongs in the group of famous "eye gnats" but the species we have in Hawaii is not known to be attracted to the eyes. **D. Elmo Hardy.**

*Poecilominettia sexseriata* Hendel (Diptera: Lauxaniidae): a Neotropical species described from Paraguay and known from Bolivia and Panama. It is probably widespread in the Neotropics. It is known, and probably is very common, from several localities on O'ahu and Kaua'i; it very probably is on the other Islands. This may have replaced our common species *Homoneura unguiculata* (Kertész). It is no doubt a scavenger, living in rotting plant material. Specimens of this new state record were identified by Ilan Yarom, Snow Entomological Museum, University of Kansas, Lawrence. **D. Elmo Hardy.**

*Colpodes buchannani* Hope (Coleoptera: Carabidae): this Oriental species has turned up on O'ahu Island from 3 isolated collections in the Ko'olau Range. The first specimen to come to our attention was a female collected by D.J. Preston from North Halawa Valley, 305 m, on 3 July 1991 in a pan trap at site # 2. This site has been under constant weekly surveillance since January 1990, but this specimen was the only one taken from the site. Another female, collected by F.G. Howarth from Kalihi Valley on 16 June 1991 at lights at his home, actually turned out to be the earliest record for O'ahu. A third specimen was collected by G.A. Samuelson on the windward side of the Koolaus, Kahalu'u Valley, 120 m, on 15 March 1992, taken at lights at his home. This species appears to be established on O'ahu, although not very common, and it is a new state record. Specimens were tentatively identified by Samuelson and confirmed by Liebherr.

*Colpodes buchannani* ranges through southern Asia from India to Indonesia and Philippines, extending north to Japan. *Colpodes pacificus* Andrewes is a Samoan species that resembles *C. buchannani* but has the humeral angles of the elytra different. The proper species spelling is *buchannani*, as this was the original spelling in Hope (1831, *Zool. Misc.*). Habu (1978, *Fauna Japonica*) interpreted the specific name as a *lapsus calami* because he attributed the patronym to Buchanan. However, there is no indication of patronymical intention within Hope's original treatment, and therefore the original spelling must stand. **G. A. Samuelson & J.R. Liebherr.**

*Pagria signata* (Motschulsky) (Coleoptera: Chrysomelidae): this is the first leaf beetle of the subfamily Eumolpinae to be reported for the Hawaiian Islands. While this is the first report for this adventive species, it is known in these islands from several records, the first and second being from O'ahu, both unique specimens from light traps in Kunia, 19 October 1981 and 20 April 1982 by D.J. Preston. The most recent appearance is from Papa'aloa on Hawai'i I., 22 June 1992, on soybean plants by P. Lerma (2 specimens). Specimens were identified by Samuelson and deposited in BPBM and HDOA.

This species is one of the most common eumolpines in the Oriental and E Palearctic area. It is associated with beans and is considered an agricultural pest. *Pagria signata*



ranges from India through SE Asia, southern and northern China, to Indonesia, Philippines, Taiwan, Ryukyu Islands, Japan, the Bonin Islands, and Guam. This is a variable species and has been known under various names, and placed in several genera during its history (cf. Kimoto & Gressitt, 1982, *Esakia* 18). G.A. Samuelson & B.R. Kumashiro.

#### OCTOBER

The 1041st meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:00 pm on Monday 12 October 1992, with President-elect Ken Grace presiding. 13 members and 2 guests attended.

**Program:** Dr. Neal L. Evenhuis, Department of Entomology, Bishop Museum, Honolulu, spoke on the topic "The world's oldest profession: taxonomy."

#### NOVEMBER

The 1042nd meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:00 pm on Monday 9 November 1992, with President Lynn LeBeck presiding. 13 members and 2 guests attended.

**Program:** Dr. Hilda Montoya, Director, USDA-ARS Hawaii Fruit Fly Rearing Facility, Honolulu, spoke on the topic "Production of Mediterranean fruit flies for sterile insect release programs."

#### 1993

#### FEBRUARY

The 1043rd meeting of the Hawaiian Entomological Society was held at the Ala Moana Hotel, Honolulu, starting at 9:30 am on Wednesday 24 February 1993, with President Lynn LeBeck presiding.

**Program:** The meeting constituted the 2nd annual Pacific Entomological Conference in which 63 papers were presented.

#### MAY

The 1044th meeting of the Hawaiian Entomological Society was held at the Department of Entomology, University of Hawaii at Manoa, Honolulu, starting at 2:05 pm on Monday 10 May 1993, with President Ken Grace presiding. 19 members and 1 guest attended.

**Program:** Dr. Lynn LeBeck, Department of Entomology, University of Hawaii at Manoa, Honolulu, presented her presidential address "Biological control of urban pests."

#### SEPTEMBER

The 1045th meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:05 pm on Monday 13 September 1993, with President Ken Grace presiding. 21 members and 4 guests attended.

**Program:** Dr. Wallace C. Mitchell, Professor Emeritus at the University of Hawaii at Manoa, Honolulu, spoke on the topic "Tephritid fruit flies in the South Pacific" and David Lance, USDA-APHIS, Waimanalo, spoke on the topic "An update on fruit fly infestations in California."

#### NOTES AND EXHIBITIONS

*Iridomyrmex glaber* Mayr (Hymenoptera: Formicidae): two collections on Maui in March 1992 and August 1993 have confirmed that *Iridomyrmex glaber* Mayr is established on Maui. Workers of this ant were found in a pineapple field near Pukalani during extensive bait-trap sampling in all pineapple fields on Maui during Spring 1992. However,

no individuals could be found on a return visit to this site in June 1992 despite intensive collecting. The establishment of *I. glaber* on Maui was confirmed in August 1993 when I found 2 colonies in dead wood along Baldwin Ave., 1 mile north of Makawao.

This species was first recorded from Hickam A.F.B., O'ahu in 1977. It often becomes the dominant ant species in the areas it invades. I have observed it displacing *Solenopsis geminata* and *Pheidole megacephala*, 2 other invasive species. It is especially troublesome in urban areas due to its lack of inhibition in entering homes uninvited and biting the occupants. It also has a potential of becoming a serious agricultural pest. It is not attracted to the oil-based ant baits, which are currently used. It will tend homopterans and has been observed tending the mealybug *Dysmicoccus brevipes* in pineapple. Neil Reimer.

#### NOVEMBER

The 1046th meeting of the Hawaiian Entomological Society was held at the Manoa Public Library, Honolulu, starting at 2:05 pm on Monday 15 November 1993, with Past-president Lynn LeBeck presiding. 22 members and 6 guests attended.

Program: Dr. Diane Ullman, Department of Entomology, University of Hawaii at Manoa, Honolulu, spoke on the topic "The leafhopper *Sophonia rufofascia*, and related plant disorders in Hawaiian crops and native forests."

### OFFICERS, AWARDS, AND MEMBERS FOR 1991-1993

#### OFFICERS FOR 1991

|                                |                     |
|--------------------------------|---------------------|
| President .....                | Marshall W. Johnson |
| President-Elect .....          | Lynn M. LeBeck      |
| Secretary .....                | David Preston       |
| Treasurer .....                | John Strazanac      |
| Advisor (Past President) ..... | Stanley Y. Higa     |
| Business Manager .....         | Dick M. Tsuda       |

#### OFFICERS FOR 1992

|                                |                     |
|--------------------------------|---------------------|
| President .....                | Lynn M. LeBeck      |
| President-Elect .....          | J. Kenneth Grace    |
| Secretary .....                | Susan D. McCombs    |
| Treasurer .....                | Neil Reimer         |
| Advisor (Past President) ..... | Marshall W. Johnson |
| Advisor .....                  | Stanley Y. Higa     |

#### OFFICERS FOR 1993

|                                |                  |
|--------------------------------|------------------|
| President .....                | J. Kenneth Grace |
| President-Elect .....          | Neal L. Evenhuis |
| Secretary .....                | Susan D. McCombs |
| Treasurer .....                | Neil Reimer      |
| Advisor (Past President) ..... | Lynn M. LeBeck   |
| Advisor .....                  | Stanley Y. Higa  |
| Business Manager .....         | Dick M. Tsuda    |

**AWARDEES FOR 1991-1993**  
1991

Lifetime Excellence ..... Kenneth S. Hagen\*  
 Entomologist of the Year ..... Bruce Tabashnik\*  
 Outstanding Service to the Society ..... John W. Beardsley  
 Student Excellence ..... Gary C. Jahn\*

1992\*\*

Lifetime Excellence ..... D. Elmo Hardy  
 Entomologist of the Year ..... Marshall W. Johnson  
 Outstanding Service to the Society ..... Dick Tsuda  
 Student Excellence ..... Susan D. McCombs

1993\*\*

Lifetime Excellence ..... Cliff Davis  
 ..... Wallace Mitchell  
 Outstanding Service to the Society ..... C.R. Joyce  
 Student Excellence ..... Peter Shearer

- \* award presented at the Annual Dinner in January 1992.
- \*\* award presented at the Pacific Entomology Conference in February of the following year.

**MEMBERSHIP 1991-1993**

**Honorary Members**

|                 |                  |                 |
|-----------------|------------------|-----------------|
| Balock, J.W.    | Haramoto, F.H.   | Namba, R.       |
| Beardsley, J.W. | Hardy, D.E.      | Nishida, T.     |
| Bess, H.A.†     | Joyce, C.R.      | Sherman, M.     |
| Bianchi, F.A.   | Krauss, N.L.H.   | Sugerman, B.B.  |
| Chong, M.       | Look, W.C.       | Tamashiro, M.   |
| Clagg, C.F.†    | Machler, K.L.†   | Tanada, Y.      |
| Davis, C.J.†    | Mitchell, W.C.   | Zimmerman, E.C. |
| Hagen, K.S.     | Morrill Jr, A.W. |                 |

**Retired Members**

|                |                |                 |
|----------------|----------------|-----------------|
| Chilson, L.M.  | Nowell, W.R.   | Rutschky, K.W.. |
| Funasaki, G.Y. | Oatman, E.R.   | Sengbusch, H.G. |
| Gilmore, J.E.  | Olson, F.J.    | Wong, T.        |
| McMahan, E.    | Riotte, J.C.E. | Yoshimoto, C.M. |

**Active Members**

|                 |                |                  |
|-----------------|----------------|------------------|
| Agena, C.L.     | Buckman, A.F.  | Conant, P.       |
| Andrews, W.B.   | Burkhart, R.   | Conant, S.       |
| Armstrong, J.W. | Bushe, B.C.    | Cornelius, M.L.  |
| Asquith, A.     | Campbell, C.L. | Costa, H.        |
| Bean, J.        | Carey, J.R.    | Culliney, T.W.   |
| Bellinger, P.F. | Chang, F.†     | Cunningham, R.T. |
| Boohene, C.     | Chang, Vincent | Daniels, K.      |
| Bradford, K.    | Chen, H.       | Delate, K.M.     |
| Brennan, B.M.   | Chiba, H.      | Early-Chun, M.E. |
| Brown, W.M.     | Chilcutt, C.F. | Ebesu, R.H.      |

† deceased

- Evenhuis, N.L.  
 Ewart, D.M.  
 Foote, D.  
 Friesen, R.D.  
 Fritzler, C.J.  
 Fujii, J.  
 Fujimoto, M.S.  
 Fukuda, M.  
 Furumizo, R.T.  
 Gagné, B.H.  
 Gan, C.  
 Garrison, R.  
 Gillespie, R.G.  
 Gonzalez-Hernandez, H.  
 Grace, J.K.  
 Greenfield, R.H.†  
 Groeters, F.  
 Gusukuma-Minuto, L.R.  
 Hanson, P.  
 Hapai, M.  
 Hara, A.H.  
 Harris, E.J.  
 Hata, T.  
 Haverty, M.  
 Hayashi, S.J.  
 Herr, J.C.  
 Heu, R.  
 Higa, S.  
 Hinckley, A.D.  
 Hollingsworth, R.G.  
 Howarth, F.G.  
 Hsu, C.-I.  
 Hudson, B.  
 Hunter, W.  
 Ikeda, J.K.  
 Isherwood, M.O.  
 Iwami, I.M.  
 Jahn, G.C.  
 Jamieson, D.W.  
 Jaworski, J.D.  
 Johnson, M.W.  
 Johnson, P.  
 Jones, V.P.  
 Jones, W.E.  
 Kaichi, L.T.  
 Kaneshiro, L.N.  
 Kard, B.  
 Kawazoe, A.  
 Kaya, H.  
 Kido, M.  
 Kim, J.-Y.  
 Koch, C.  
 Koga, R.E.  
 Kohn, M.A.  
 Kumashiro, B.  
 Kunishi, R.K.
- Lai, P.-Y.  
 LaPointe, D.A.  
 LaSalle, J.  
 LeBeck, L.M.  
 Lee, C.M.  
 Lee, C.Y.L.  
 Lee, S.  
 Leen, R.  
 Liquido, N.J.  
 Liu, Y.-b.  
 Luther, G.C.  
 Markin, G.P.  
 Martin, J.  
 Martono, E.  
 Matayoshi, S.  
 Mau, R.F.L.  
 McCombs, S.D.  
 McHugh, J.  
 McInnis, D.O.  
 Mello, C.  
 Messing, R.H.  
 Miller, S.E.  
 Miyamoto, R.  
 Miyashita, D.H.  
 Monroe, E.  
 Montgomery, S.L.  
 Moore, A.  
 Mull, W.P.  
 Muniappan, R.  
 Munroe, E.G.  
 Myles, T.G.  
 Nafus, D.M.  
 Nagamine, W.T.  
 Nakahara, L.M.  
 Nakahara, S.S.  
 Nallur, K.K.K.  
 Napompeth, B.  
 Neely, J.  
 Niedbala, W.  
 Nishida, G.M.  
 Nisson, N.J.  
 O'Connell, C.  
 Oi, D.H.  
 Oi, F.M.  
 Omer, A.D.  
 Onaga, K.  
 Ota, A.K.  
 Parrella, M.  
 Pereira, W.D.  
 Pierce, L.  
 Pinter, L.  
 Polhemus, D.A.  
 Purcell, M.F.  
 Ramadan, M.M.  
 Rathman, R.J.  
 Reimer, N.J.
- Roderick, G.  
 Rosenheim, J.  
 Samuelson, G.A.  
 Saul, S.H.  
 Schaefer, J.  
 Schaefer, P.W.  
 Schneider, E.L.  
 Schreiner, I.H.  
 Sengbusch, C.H.  
 Shaw, K.  
 Shearer, P.W.  
 Shelly, T.  
 Shelton, T.G.  
 Sher, R.B.  
 Shimoda, L.K.  
 Shiroma, E.  
 Simon, C.M.  
 Spadoni, R.D.  
 Spollen, K.  
 Stark, J.D.  
 Steck, G.J.  
 Strazanac, J.S.  
 Strong, K.  
 Swift, S.F.  
 Tabashnik, B.E.  
 Takei, G.H.  
 Tanabe, A.  
 Tanaka, N.  
 Taniguchi, G.Y.  
 Tanimoto, V.M.  
 Tenbrink, V.M.  
 Teramoto, K.K.  
 Thompson, F.C.  
 Toyama, G.M.  
 Trospen, J.H.  
 Tsuda, D.M.  
 Tsutsumi, L.H.  
 Uchida, G.K.  
 Ullman, D.E.  
 Vargas, R.I.  
 Vargo, A.M.  
 Wang, J.  
 Watanabe, T.M.  
 Whittier, T.S.  
 Wirth, W.W.†  
 Wong, L.  
 Woodrow, R.  
 Woolliams, K.R.  
 Yano, K.  
 Yates, J.R., III  
 Yoshioka, E.R.  
 Yudin, L.S.  
 Zanatto, P.  
 Zheng, X.

† deceased