



# LU A LINE



*A Publication of the Hawaii Water Environment Association*

Volume 15 Number 3

Internet Address: <http://www.hwea.org>

Winter 2002

## PRESIDENT'S MESSAGE

*By Tina Nakasone, 2002-2003 HWEA President*

**H**appy Holidays! I hope everyone is having a joyful holiday season, eating, drinking, and being merry. This is the time of year when we get to find out if we were bad or good. I guess I must have been pretty bad this year, because all I got in my stocking was Cole. All kidding aside, our son, Cole, was our greatest gift this year and has inspired me to work even harder to preserve our water environment. I can't tell you how troubling it is to me to think that Cole may not have the benefit of swimming in a clean ocean or drinking clean water. All I want is for Cole to have a rich, fulfilling life and having clean water to live with is an important part of that. We all need to work together to help ensure that future generations will have clean water as part of their lives.

I can't believe how fast this year has flown by. Although I did not accomplish all that I set out to do in HWEA, there have been some big accomplishments this year.

First of all the Public Service Announcements put together by the Public Education Committee and the Collection Systems committee are ready to hit the airwaves. Three public service announcements featuring Sam Choy, Forté, Robi Kahakalau, Kealii Reichel, and Karen Keawehawaii are set to air this January. We hope that these announcements will be well received and help to educate the general public on how the sanitary sewer system works and what the sewer system is for. Any praise or comments can be directed towards the Public Education Committee Co-Chairs, Roy Abe and Ann Tshako or the Collec-



*Tina and her family*

***“We all need to work together to help ensure that future generations will have clean water as part of their lives.”***

tion Systems Committee Chair and Vice Chair, Jon Nishimura and Tina Ono. I'd like to thank both committees for all of the work they did in putting these announcements together.

The 4th Biennial Water Reuse Conference was held this past November at the Radisson Kauai Beach Resort. The conference was a tremendous success with a diverse assortment of speakers and more than 100 attendees. Special thanks to Conference Chairs, Ed Chuck and Erwin Kawata for all of their hard work. For more information on the conference look for the article by Water Reuse Committee Chairperson, Eassie Miller.

The Annual PWO Softball Tournament was also held on Kauai this year on the weekend following the Water Reuse Conference. This year, three teams participated in the event. Even National Director, Ken Ishizaki, dusted off his running shoes to participate. Honolulu was the big winner this year, but in terms of having fun I'm sure all of the participants were winners. Special thanks to Matthew Louis and KOA for helping to organize this event. For additional details on this year's softball tournament look for the article by PWO Representative, Jon Kawamura.

WEF's annual conference and exposition, WEFTEC, was held in Chicago this year. Our Operations Challenge team from the Big Island, "Keano", represented us at WEFTEC and placed 15th out of 32

*(Continued on page 2)*

## PRESIDENT'S MESSAGE

*(Continued from page 1)*

teams. Special thanks to Paul Balberde, Duane Fong, Ryan Koyanagi, and Eric Moriguchi for traveling so far and for all of their hard work and effort. We hope that the Operations Challenge at WEFTEC was a rewarding experience for the whole team. For more information on how the team did look for the article by PWO Representative, Jon Kawamura.

This year's conference chairs, Ian Arakaki and Lisa Kimura, also attended WEFTEC this year and are set to try and outdo the national conference at our local conference scheduled for January 29-31, 2003. We will be returning to the Hawaii Convention Center this year for our conference. This year's conference is packed with technical sessions, exhibitors and our traditional social events, President's Reception and Banquet. We hope that our members and other attendees will find that our local conference is a worthwhile investment. For more information on this year's conference, please visit our website at [www.hwea.org](http://www.hwea.org).

Things to look forward to in the coming year include:

1. Collection Systems Operations Certification Program. The Collection Systems committee headed by Jon Nishimura and Tina Ono will be continuing their work in organizing a voluntary certification program for collection system operators.

2. Select Society of Sanitary Sludge Shovelers (5-S) Events. The 5-S group will be becoming more active under the guidance of Party Master, Lance Manabe. We hope to see many of our valued members return to more active roles by having the 5-S group in charge of fundraising events for HWEA.

3. Mailouts and notifications via e-mail. In an effort to conserve paper and minimize costs to the organization we will be converting to e-mail notifications for luncheons, conferences and other HWEA business in the near future. If you are interested in converting to e-mail notifications, please visit our website at [www.hwea.org/events/email.htm](http://www.hwea.org/events/email.htm) to sign up.

4. Job posting on our website. We are planning on cre-

## In This Issue of the *Lua Line* Volume 15, Number 3

|                                       | pg |
|---------------------------------------|----|
| President's Message                   | 1  |
| News from the National Director       | 3  |
| PWO News                              | 4  |
| Secretary-Treasurer's Report          | 4  |
| Collection System Committee           | 6  |
| Student Activities Committee          | 8  |
| Membership Committee                  | 8  |
| Water Reuse Committee                 | 9  |
| Conference Committee                  | 11 |
| WEFTEC 2002                           | 12 |
| HWEA Specialty Committee Rosters      | 15 |
| HWEA BOD & Specialty Committee Chairs | 16 |
| HWEA/WEF Calendar of Events           | 18 |

ating a job listing on our website as an added benefit to our membership. If you are interested in posting a job position, please contact our website gurus, Russell Okita or Mark Goodrowe at [webpage@hwea.org](mailto:webpage@hwea.org).

I'd like to take this opportunity to thank everyone involved in HWEA, especially the other Board Members, Peter Ono, Kristie Ching, Steve Parabicolli, Ken Ishizaki and Jon Kawamura, for making this year a success. Our organization relies heavily on the generosity of volunteers and appreciates all the time and effort given. At the risk of sounding like a broken record, I'd like to say one more time, that I encourage everyone to get more involved in HWEA. Our organization has a lot of benefits to offer, but to a certain extent can only be reaped if you seek it out. Best wishes to everyone in the coming year!



THE LIMTIACO CONSULTING GROUP  
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

615 PIHKOI STREET, SUITE 1605 • HONOLULU, HAWAII 96814

TEL (808) 596-7790 • FAX (808) 596-7361

EMAIL [thegroup@tlcgohawaii.com](mailto:thegroup@tlcgohawaii.com)

## NEWS FROM THE NATIONAL DIRECTOR

**Kenneth Ishizaki, National Director**  
**Ph. 1-808-591-8820, Fax 1-808-591-9010**



*Kenneth Ishizaki*

*Happy Holidays to All!*

Now for news from the Water Environment Federation.

### Officers

Robert T. McMillan is the President of the Water Environment Federation for 2002 to 2003. He is currently a member of the Texas Water Environment Association and is the Assistant Water Director, Pollution Control Division, for the city of Fort Worth. Robert served on the WEF Executive Committee from 1992 to 1996 and has been active on numerous committees, including the Utility Management Committee and the Water Environment Research Foundation Board of Directors. He was the recipient of the WEF's Bedell Award, Hatfield Award, and the Quarter Century Operators' Club.

Lynn Orphan is the Vice President for 2002 to 2003. She is a senior engineer and regional manager of business development at Kennedy/Jenks Consultant in Reno, Nevada. In her professional career, Lynn has worked on projects involving water treatment facilities, groundwater recharge, flood control and stormwater quality management, and recycled water supply. She was an officer in the Nevada Water Environment Association and received the Bedell Award for extraordinary service to the Nevada Association.

### Partnership Between WEF and Member Associations

There appears to be an effort by WEF to enhance partnering between the WEF and the member associations. Many members have expressed discontent with the WEF's handling of activities held within the proximity of the member association's state. Therefore, the Executive Director is focusing on maximizing the strengths of the WEF and the member associations to provide a better product and eliminate unnecessary duplication of effort.

### WEFTEC

The WEF's 75<sup>th</sup> Annual Conference and Exhibition, which was held September 28 to October 2, 2002, in Chicago, Illinois, attracted 18,704 registrants. This record-breaking attendance will provide much needed revenue in these austere times since approximately 47 percent of WEF's revenues come from the conference.

### Kudos

The Reuse Conference held on Kauai November 6 to 8, 2002 attracted approximately 125 participants. The success of a conference like this is due to the hard work of many people. Mahalo to these four people, who expended much effort and energy: Eassie Miller, Elson Gushiken, Erwin Kawata, and Edward Tschupp.

Thanks also to Brown and Caldwell, Engineering Concepts, Inc., and Hawaii Pacific Engineers for sponsoring students from the University of Hawaii to attend our quarterly meetings and to Roger Babcock for coordinating this effort. It was the goal of WEF's Past President, Jim Clark, to reach out to students and young professionals and encourage them to participate in WEF's activities.

## PWO NEWS

**Jon Kawamura, PWO Representative**  
**Ph. 1-808-322-3047, Fax 1-808-322-3140**



Happy holidays!!!!

**T**his is an update of the things that happened since the last newsletter.

Team Keano went to WEFTEC and represented Hawaii in the Operation Challenge '02 placed 15th overall out of 32 teams. During the last minutes of preparation some of the events were changed sending the team members to the vendors and seeking their help. Curtis from Berkley was there to lend a hand with the pump event. There were even phone calls being made to Hawaii to find out things that would help the team in their event. Calls made to Aileen, Guy and Darin made a difference with the event. Again WEFTEC was a huge place where vendors congregated to show the public what they specialized in. This was a chance to meet the vendor and seek the answer to the question that you once had.

The annual softball tournament was held on Kauai. There were three teams that battled for the title. There were the BIG SEXY (Oahu), Nitrifiers (Kauai) and Plan B (Maui and Kauai). After the first round of the double elimination all teams were tied with one lost a piece. In the end after the dust

settled and the limping of the athletes the BIG SEXY from Oahu earned the title and the right to hold the perpetual trophy. I would like to thank Matthew and Leila for organizing a terrific softball tournament at the Kaumakani Park. Thank you to Princeville Corp., HOH, Aqua Engineers, Inc., Kauai Precast, Briant construction and Mrs. Takashiba for Financial support. Thank you to Peter, Jon, Dale, Tsuki, Bert, Darin's father, Aaron, Val, Pipi, Jason, Linda and George for preparing the meals and stocking the coolers. Thank you to Jack Wilhelm for organizing the golf tournament. Next years softball tournament will be held on the Big Island.

Operation challenge is coming up. We are still looking for teams to compete and to represent Hawaii at WEFTEC '03 in Los Angeles. We will be sticking with the same events that were held last year. The events will be Operation, Safety, Lab and pipe cutting. So get together with your fellow co-workers and make a team. I know we have many talented persons out there, why not put this talent together and come join us for operation challenge '03. Call me at 1-808-322-3047 or e-mail me at [jon@aquengineers.com](mailto:jon@aquengineers.com) and I will get you the details of the events. See you at the challenge.

### Secretary-Treasurer's Report

as of November 30, 2002

#### *Bank of Hawaii Account*

**Member Association** **\$2,582.48**

#### *Merrill Lynch Accounts*

**Conference** **\$120,783.37**

**Member Association** **\$43,702.34**

**Petty Cash** **130.00**

**TOTAL** **\$167,198.19**

A  
N  
N  
U  
A  
L  
  
P  
W  
O

S  
O  
F  
T  
B  
A  
L  
L



T  
O  
U  
R  
N  
A  
M  
E  
N  
T

K  
A  
U  
A  
I  
  
2  
0  
0  
2

Participating Teams: BIG SEXY (Oahu), Nitrifiers (Kauai), and Plan B (Maui and Kauai)

T  
E  
A  
M

K  
E  
A  
N  
O



W  
E  
F  
T  
E  
C

2  
0  
0  
2

Paul Balberde, Duane Fong, Ryan Koyanagi, and Eric Moriguchi

## COLLECTION SYSTEM COMMITTEE

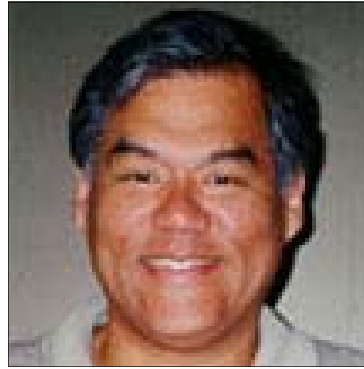
**Jon Nishimura, Committee Co-Chair**  
**Ph. 1-808-944-1821, Fax 1-808-946-9339**  
**Tina Ono, Committee Co-Chair**  
**Ph. 1-808-523-4067, Fax 1-808-523-4642**

### *Collection System Operator Certification Program*

**T**he HWEA Collection System Committee has been active in evaluating the feasibility of establishing a voluntary collection system operator certification program for the State of Hawaii. The issue arose at last year's Collection System Conference as several members and guest speakers discussed the need to initiate a certification in light of the formulation of National policies and directions. Two primary factors prompted the committee to take action.

- With the anticipated CMOM regulations, mandatory certification appears to be around the corner
- Certification validates operator's qualifications/experience/knowledge

As a result, committee members have begun investigating the need and feasibility of having HWEA involved in establishing a voluntary collection system operator certification program for Hawaii. Initial tasks involved an assessment of internal (local) needs, as well as a study of what other states are doing.



*Jon Nishimura*



*Tina Ono*

Based on internal (committee) survey, the estimated number of collection system personnel in the State is less than 500 (Honolulu—200, Maui—30, Kauai—3, Hawaii—20, private—50, military—50).

A review of existing certification programs nationwide was conducted, primarily analyzing a database of Collection System Operator Certification Programs that was available online at the Association of Boards of Certification (ABC) website. The accuracy and currency of the database varied for each agency. There were 50 agencies (including Canada, Guam) that indicated they have a Collection System Operator Certification Program.

The database contained over 50 questions, however, only 40 of those questions were deemed applicable. The major highlights of the review are as follows:

1. About half the programs surveyed are mandatory and half are voluntary. Typically those programs that are mandatory are administered by their government agency.
2. There are only 5 WEF member associations (California, Indiana, Iowa, New England, and South Carolina) that run the certification program, all of which are voluntary programs.
3. Over half of the programs are not self-supporting and are supplemented by government funds.

*(Continued on page 7)*

**Wastewater Treatment Process Design  
 Collection System and Pump Station Design  
 Sewer Flow Monitoring**



**(808) 531-3017 • www.oceanit.com**

## COLLECTIONS SYSTEM

*(Continued from page 6)*

4. Over 80% of the programs allow reciprocity.
5. Nationwide there are over 23,000 operators certified. There are 13 agencies with over 500 operators certified (Arizona, Colorado, Indiana, Louisiana, New England, North Carolina, New Jersey, Ohio, Ontario, Oregon, Texas, Wyoming, and California which did not provide any information but is also assumed a large agency). There are 18 agencies that have less than 500 operators certified. ABC indicated having only 50 certified operators.
  - a. The larger agencies have anywhere from 3 to 14 full-time staff to run the program.
  - b. Of the 13 large agencies, 3 are voluntary programs (California, Indiana, New England) and the remaining 10 are mandatory programs. The 3 large voluntary programs are run by WEF member associations.
6. There was a wide range of responses regarding training, experience, and continuing education requirements.
7. Typical fees were: application fee \$42, exam fee \$44, certificate fee \$30, however fees did run up to \$100 for some agencies.
8. Most agencies require a closed-book exam that is multiple choice and taken with paper and pencil.

9. Most agencies require certification renewal typically every 3 years averaging \$33 per exam.

Several alternatives are available to HWEA at this point in time. These include:


1. Wait until certification is mandatory (i.e., EPA mandate), then the State will probably be tasked with running the program.
2. HWEA lobby for mandatory certification, then the State will probably be tasked with running the program.
3. HWEA develop its own program, including development of rules & regulations, testing and record keeping.
4. Join another established program & have HWEA facilitate training (set training workshops or have trained trainers) and testing (proctor exam).

The committee is currently evaluating these alternatives and will be considering several key issues. The primary concerns are:

1. Cost of certification to the operators in order to cover the program's operations and fees.
2. Will the regulatory agency (i.e. EPA) recognize the selected program as a qualified program in the future, and will the selected program have reciprocity with other programs nationwide.
3. What would the level of support be from local wastewater agency administrations (County's, Military, Private) in terms of supporting a voluntary program. Would the agencies support cost sharing for training, testing/certification and continuing education.

We will keep you posted on further developments.

ANY MEMBERS OUT THERE THAT ARE INTERESTED IN PARTICIPATING IN THE COLLECTION SYSTEM COMMITTEE ARE ENCOURAGED TO CONTACT JON NISHIMURA AT 944-1821 OR TINA ONO AT 523-4067.



**BROWN AND CALDWELL**

Providing environmental solutions in:

- Wastewater Collection, Treatment and Disposal
- Water Reuse
- Watershed Management
- Water Supply
- Infrastructure
- Solid Waste
- Hazardous Waste

**ENVIRONMENTAL ENGINEERING AND CONSULTING**

119 Merchant Street, Suite 200, Honolulu, Hawaii 96813  
808-523-8499, 808-533-0226 Fax

Wells Street Professional Center  
2145 Wells Street, Suite 302, Wailuku, Hawaii 96793  
808-244-7005, 808-244-9026 Fax

[www.browncaldwell.com](http://www.browncaldwell.com)

## STUDENT ACTIVITIES COMMITTEE

Kyle Yukumoto, Chairperson  
Ph. 1-808-842-1133, Fax 1-808-842-1937



*Kyle Yukumoto*

## HWEA 2003 SCHOLARSHIP AND STUDENT POSTERS TO BE FEATURED AT CONFERENCE

Look out for the winner of the 2003 HWEA Annual Scholarship!

Over the last several years, HWEA has financially assisted several well-deserving students by awarding them scholarships of up to \$2,000. This scholarship is available again and was previously advertised in the last *Lua Line* (deadline was December 1, 2002). The winner(s) will be announced on Friday, January 31, 2003, at the Annual Conference Luncheon.

Look for the poster boards that will be displayed by University of Hawaii students at the HWEA Annual Conference. These wastewater-related posters will provide educational and informative summaries of our future member's projects. The students will be available to discuss their projects, answer questions, and discuss their future plans (potential hires?). Monetary prizes will be awarded for the top three posters.

If you have any comments or suggestions on the scholarship or poster session, please feel free to call me at 842-1133.

## MEMBERSHIP COMMITTEE

Alma Takahashi, Committee Co-Chair  
Ph. 1-808-270-7420, Fax 1-808-270-7425  
Yvonne Miyasato, Committee Co-Chair  
Ph. 1-808-270-7419, Fax 1-808-270-7425



*Alma Takahashi*

The HWEA would like to welcome the following new members:

*Craig Santos  
Roy Figueiroa  
Jun Luo*

### E-MAIL A FRIEND

Share the benefits (member discounts, networking opportunities, technical information, professional development, committee involvement, etc) of WEF and HWEA with a colleague by e-mailing a message from the WEF website:

[www.wef.org/membershipbenefits/contest](http://www.wef.org/membershipbenefits/contest)  
(Click on E-Mail a Friend)

### MEMBERSHIP RECRUITMENT CONTEST (ends July 31, 2003)

The 2002-2003 WEF membership drive is under way. Each time you recruit a new member, your name will be entered into a Grand Prize Drawing of \$1,000. The top WEF recruiter of the year will receive \$700 and second place recruiter \$450.

*(Continued on page 10)*

## WATER REUSE COMMITTEE

(Joint HWEA/Hawaii Section AWWA Water Reuse Committee)

**Eassie Miller, Committee Co-Chair**  
(HWEA Representative)

**Ph. 1-808-523-8499, Fax 1-808-533-0226**

**Elson Gushiken, Committee Co-Chair**  
(AWWA Representative)

**Ph. 1-808-637-5078, Fax 1-808-637-4779**

**A**loha folks . . . The 4th Bi-Annual Water Reuse Conference “Water Recycling Sustaining Our Potable Water Supply” was a resounding success. A big Mahalo to our conference sponsors, ASCE, AWWA, HWEA, City and County of Honolulu, County’s of Kauai, Hawaii and Maui, and State Department of Health, who continue to support and promote reuse throughout the islands.



*Eassie Miller*

Our friends on Kauai graciously hosted 130 participants over a two-day period at the Radisson Kauai Beach Hotel. The 13 conference speakers discussed a full spectrum of water recycling issues ranging from “Hawaiian Holistic View on Resource Management” to “Purple Pipes and Public Perception: Growing and Selling Vegetables with Recycled Water on the Mainland.” As the participants can attest, we even had the blessing of religion for free.



*Elson Gushiken*

The conference abstracts, Power Point presentations and papers are available on the HWEA web-

site.

Kudos are extended to Ed Tshupp and his Kauai Team, Erwin Kawata and the HBWS Team, Ian Kagimoto and his Aqua Gang, Kymn Solchaga, Eric Agena, Ruth Kajiwara, Debra Ikeno (Oops, can’t forget Ken Ishizaki), Lori Tamai, Chris Douville and Elson Gushiken for all of their efforts in making this another successful conference. We are looking forward to the 5th Bi-Annual Conference on Maui in 2004. As the saying goes, “Maui No Ka Oi . . . “

On another note, Hawaii Administrative Rules, Chapter 11-62, is out on the street for review and comment with Public Hearings scheduled for December. This is our opportunity to share and provide feedback to DOH. The revised rules are incorporating several sections of the DOH Water Reuse Guidelines.

Mahalo and have a Happy and Safe Holiday Season! . . . . .



770 Kapiolani Boulevard  
Suite 401  
Honolulu, HI 96813

Phone: 808.593.1264  
Fax: 808.596.0204  
web site: [www.mgdinc.com](http://www.mgdinc.com)

**MGD Technologies Inc.** provides field investigation services to support municipalities, federal agencies, private enterprises, and civil engineering consulting firms in designing, operating, maintaining, and managing wastewater, stormwater, industrial waste collection systems, and potable water distribution systems.

**Services include:**

- Pipeline Condition Assessment Inspections
- Manhole Condition Assessment Inspections
- Closed Circuit Television (CCTV) Inspections
- Digital (mpeg-2) Video Documentation
- Temporary and Long Term Flow Monitoring
- Water Quality Sampling
- Smoke Testing to Locate Pipeline Defects

**MEMBERSHIP COMMITTEE**

*(Continued from page 8)*

To become a recruiter, tell prospective members about the value of WEF/HWEA membership and give them a WEF membership application. To receive recruitment credit for the membership drive, make sure that the new members you recruit return their completed applications and payment to WEF with your name and WEF ID# written on the "WEF Sponsor Name" and "Sponsor ID" line. Applications can be obtained from the Membership Committee or [www.hwea.org](http://www.hwea.org). All applications and inquiries can be sent to:

HWEA  
 P.O. Box 2422  
 Honolulu, Hawaii 96804  
 — OR —  
 Alma Takahashi  
 Count Wastewater Reclamation Division  
 200 South High Street  
 Wailuku, Hawaii 96793

**HWEA MEMBERSHIP STATUS  
 AS OF NOVEMBER 2002**

|                              |            |
|------------------------------|------------|
| Active Membership            | 216        |
| Corporate Membership-Private | 5          |
| Half-Life Active             | 6          |
| Life Members                 | 8          |
| Operations Division          | 99         |
| Retired Membership           | 1          |
| Student Membership           | <u>10</u>  |
| <b>Total</b>                 | <b>345</b> |



CIVIL ENGINEERING AND PLANNING  
 WASTEWATER AND WATER TREATMENT  
 CONSTRUCTION MANAGEMENT SERVICES

**Hawaii Pacific Engineers, Inc.**  
 1132 Bishop Street, Suite 1003  
 Honolulu, Hawaii 96813-2830  
 Phone: (808) 524-3771  
 Fax: (808) 538-0445

**2002 WINTER JOB BANK**

For vacancy announcements for the **City and County of Honolulu**, please call the Department of Environmental Services at (808) 527-6667.

For vacancy announcement for the **County of Hawaii**, please call the 24-hour Job Hotline at (808) 961-8618.

For vacancy announcements for the **County of Kauai**, please call the Department of Public Works at (808) 241-6610.

For vacancy announcements for the **County of Maui**, please call Carol Kurisu of the Department of Public Works and Waste Management at (808) 243-7850.

**MEMBER SERVICE E-MAIL**

|  |  |
|--|--|
| <a href="mailto:msc@wef.org">msc@wef.org</a>                 | address changes,<br>membership inquiries,<br>subscription inquiries,<br>or anything related to<br>membership |
| <a href="mailto:pubs@wef.org">pubs@wef.org</a>               | order publications,<br>check on order status,<br>price quotes  |
| <a href="mailto:confinfo@wef.org">confinfo@wef.org</a>       | registration questions<br>& requests for<br>conference information   |
| <a href="mailto:techniq@wef.org">techniq@wef.org</a>         | technical questions  |
| <a href="mailto:webfeedback@wef.org">webfeedback@wef.org</a> | your comments about<br>our website   |

## CONFERENCE COMMITTEE

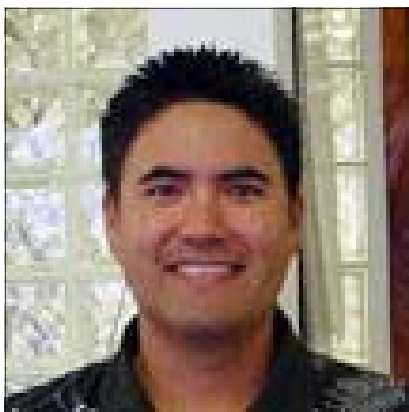
**Lisa Kimura, 2003 Conference Co-Chair**  
**Ph. 1-808-524-3771, Fax 1-808-538-0445**  
**Ian Arakaki, 2003 Conference Co-Chair**  
**Ph. 1-808-596-7790, Fax 1-808-596-7361**

## WEFTEC 2002 *Chicago, Illinois*

By Lisa Kimura and Ian Arakaki

Information overload! No, we're not talking about the debates and commercials that have been plastered on our T.V.'s and radio airwaves for the election season. We're talking about WEFTEC 2002, which was held in the "Windy City" of Chicago from September 28<sup>th</sup> to October 2<sup>nd</sup>. How else can you describe 600+ individual presentations, 800+ exhibitors, and seven facility tours in less than a week?

The annual conference was held in the beautiful and enormous Chicago Convention Center at McCormick Place. People from all over the United States and the World gathered to exchange ideas on various water quality topics ranging from wastewater treatment and water reuse to research and development and computer applications.



*Ian Arakaki*

Center itself. Information booths, a WEF bookstore, member services and onsite registration booths were staffed with helpful people to aid with the conference.

The conference was well organized and seemed to proceed without a hitch. Free busses were provided to shuttle attendants to and from hotels. Or, for the more adventurous, a train stop and taxi areas were located within the Convention



*Lisa Kimura*

The Hawaii contingent made the most of the conference, but also enjoyed the activities that Chicago has to offer as well. A dinner held at 160 Blue, a trendy Chicago restaurant, was the gathering place for us all to

kick off WEFTEC. The jet lag from the 10-hour flight was not enough to dampen the mood of this lively group. In addition to the conference and dinner, many of us attended shows, museums, went sightseeing, and shopped.

Congratulations to Jon Kawamura and the Operations Challenge Team from the Big Island. They represented the islands well in the national event.

Although WEFTEC was very informative and impressive, we realized that our local HWEA conference is just as good as WEFTEC. Sure, WEFTEC is larger and has more of a variety, but the quality of presentations and vendors at our annual conference is comparable, if not better. Best of all, you don't have to travel thousands of miles for the experience.

Don't forget to mark your calendars for our 25<sup>th</sup> Annual HWEA Conference from January 29<sup>th</sup> to 31<sup>st</sup>. Please visit HWEA's website at [www.hwea.org](http://www.hwea.org) for registration forms and program updates for our conference. See you there!

### FUKUNAGA & ASSOCIATES, INC.

*Consulting Engineers ~ Civil ~ Environmental ~ Sanitary*

**1388 Kapiolani Boulevard, 2nd Floor**  
**Honolulu, Hawaii 96814**



Telephone: **(808) 944-1821**  
 Fax: **(808) 946-9339**  
 E-mail: **fainc@aloha.com**  
 Internet: **http://www.fainc.org**

# WEFTEC 2002

## 75TH ANNUAL TECHNICAL EXHIBITION & CONFERENCE



**McCormick Place, Chicago, Illinois USA**  
**September 28-October 2, 2002**



### **OPENING GENERAL SESSION**

Keynote Address given by  
U.S. Environmental  
Protection Agency  
Administrator  
Christine Todd Whitman

### **THE EXHIBITION**

Photo taken near the entrance to the exhibition. This is one of the world's largest assemblies of wastewater and water quality products and services. Over 800 exhibitors showcased their products at WEFTEC 2002



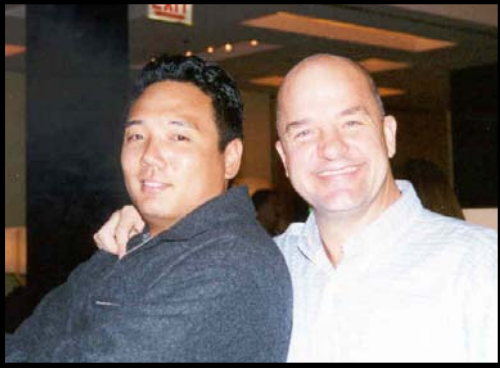
# HAWAII ATTENDEES

O  
N  
E  
S  
I  
X  
T  
Y  
B  
L  
U  
E



< Counterclockwise (L-R): Ross Tanimoto, Kevin Nakamura, Paulette Chang, Peter Boucher, Lisa Kimura, Westley Chun, Cari Ishida and Ivan Nakatsuka

> Robin Hirano (The Limtiaco Consulting Group) & Mark Goodrowe (MGD Technologies)



(L-R): Jon Nishimura (Fukunaga & Associates), Cliff and Veronica Lum (Limtiaco Consulting Group), Lyman Morikawa (Morikawa & Associates), Peter Boucher (County of Hawaii), Jill Takashiba (Aqua Engineers), Robin Matsunaga (Belt Collins Hawaii).



1st Row (L-R): Ian Arakaki and Jen Neves (Limtiaco Consulting Group), Don Suzuki (Morikawa & Associates), Ian Costa (County of Kauai), 2nd Row (L-R): Jon Kawamura (Aqua Engineers), Peter Ono (Brown & Caldwell).

S  
E  
P  
T  
E  
M  
B  
E  
R  
  
2  
9  
,  
2  
0  
0  
2

# TEAM KEANO

O  
P  
E  
R  
A  
T  
I  
O  
N  
S



**PUMP MAINTENANCE**

**Pump Maintenance**  
Perform a variety of maintenance functions on a dry pit submersible pump

**Safety**  
Respond to a simulated liquid-chemical spill, rescue an injured co-worker, and repair defective equipment



**SAFETY EVENT**

**Collections System**  
Repair a flowing main break

**Other Events**  
Laboratory  
Process Control



**COLLECTIONS SYSTEM**

**Team Keano**  
Paul Balberde  
Duane Fong  
Ryan Koyanagi  
Eric Moriguchi

C  
H  
A  
L  
L  
E  
N  
G  
E

# PROMOTIONS

- **William R. Wanner** is promoted to Construction Services Manager at M&E Pacific, Inc.
- **David B. Hatchell** is appointed to Senior Project Surveyor at M&E Pacific, Inc.
- **Harold Sugiyama** is promoted to Hilo Office Manager at M&E Pacific, Inc.
- **Donald James Murray** is promoted to Senior Project Surveyor at M&E Pacific, Inc.
- **Martin A. Nakasone** is promoted to Senior Project Manager at M&E Pacific, Inc.

# ANNOUNCEMENTS!!!!

HWEA members are encouraged to send in any news and photos regarding marriages, births, promotions, and other newsworthy facts about themselves or other HWEA members. Please send the information to:

HWEA Newsletter Committee  
 P.O. Box 2422  
 Honolulu, HI 96804

or e-mail: [alee@ecihawaii.com](mailto:alee@ecihawaii.com)

**R. M. TOWILL CORPORATION**  
 Planning • Engineering • Environmental Services • Photogrammetry • Surveying • Construction Management

Serving Hawaii's Wastewater and Water Needs Since 1930

Waikamilo Business Center  
 420 Waikamilo Road Suite 411  
 Honolulu Hawaii 96817-4941

Visit us on the web at [www.rmtowill.com](http://www.rmtowill.com)

**Sand Island WWTP expansion**  
 Island of Oahu - 2005

**Kukuiui WWTP**  
 Island of Kauai - 1993

**Kukuiui Highway Interceptor Sewer**  
 Island of Hawaii - 1989

## HWEA SPECIALTY COMMITTEE ROSTERS

| COMMITTEE                        | MEMBERS                    |                 |                                 |                   |                 |
|----------------------------------|----------------------------|-----------------|---------------------------------|-------------------|-----------------|
| <b>Collection System</b>         | Jon Nishimura (Chair)      |                 | Tina Ono (Vice-Chair)           |                   |                 |
|                                  | Roy Abe                    | Eric Agena      | Billy Atiz                      | Walter Chong      |                 |
|                                  | Mark Goodrowe              | Jeff Higbee     | Joy Ho                          | Travis Hylton     | Scott Kunioka   |
|                                  | Russell Leong              | Lance Manabe    | Paul Morioka                    | Tom Myers         | Tim Steinberger |
| <b>Conference</b>                | Lisa Kimura (Co-Chair)     |                 | Ian Arakaki (Co-Chair)          |                   |                 |
| <b>Constitution &amp; Bylaws</b> | Lee Mansfield (Chair)      |                 | Vacant (Vice-Chair)             |                   |                 |
| <b>Government Affairs</b>        | Robin Matsunaga (Chair)    |                 | Walter Billingsley (Vice-Chair) |                   |                 |
|                                  | Cheryl Okuma-Sepe          | Dennis Tulang   | George Takamiya                 | James Honke       | Myron Nomura    |
| <b>Laboratory</b>                | Barney Asato (Co-Chair)    |                 | Anita Fernandez (Co-Chair)      |                   |                 |
|                                  | Lytha Conquest             | Merlita Empeno  | Snookie Mello                   | Robert Rychlinski |                 |
|                                  | Pat Sheppard               | Lyle Shizumura  | Lourdes Vasquez                 | Bruce Zhang       |                 |
| <b>Membership</b>                | Alma Takahashi (Chair)     |                 | Yvonne Miyasato (Vice-Chair)    |                   |                 |
| <b>Newsletter</b>                | Anna Lee (Chair)           |                 | Kyle Okino (Vice-Chair)         |                   |                 |
|                                  | Cheryl Kaneshiro-Takeuchi  |                 | Randall Shimoda                 | Jay Stone         |                 |
| <b>Nominations</b>               | Steve Parabolicoli (Chair) |                 |                                 |                   |                 |
| <b>Pretreatment</b>              | Dwight Nakao (Chair)       |                 | Ken Kawahara (Vice-Chair)       |                   |                 |
|                                  | Bill Anderson              | Ranold Fujioka  | Pam Tsugawa                     |                   |                 |
| <b>Public Education</b>          | Roy Abe (Co-Chair)         |                 | Ann Tsuhako (Co-Chair)          |                   |                 |
|                                  | Ken Windram                | Kyle Yukumoto   | Steve Parabolicoli              | Joe Padron        |                 |
|                                  | Lara Hutto                 | Lance Tokuda    | Dave Nagamine                   | Edith Eldeen      |                 |
|                                  | Grace Tulang-Moss          | Lori Kajiwarra  | Tim Steinberger                 |                   |                 |
| <b>Research</b>                  | Roger Babcock (Chair)      |                 | Vacant (Vice-Chair)             |                   |                 |
|                                  | Roger Fujioka              | Denis Lau       | Lee Mansfield                   | Ray Matasci       |                 |
|                                  | Robin Matsunaga            | Tim Steinberger | Ross Tanimoto                   | Ken Tanno         |                 |
|                                  | Dennis Tulang              | P.Y. Yang       |                                 |                   |                 |
| <b>Safety</b>                    | Vacant (Chair)             |                 |                                 |                   |                 |
| <b>Student Activities</b>        | Kyle Yukumoto (Chair)      |                 |                                 |                   |                 |
| <b>Water Reuse</b>               | Eassie Miller (Co-Chair)   |                 | Elson Gushiken (Co-Chair)       |                   |                 |
|                                  | Victor Moreland            | Robert Miyasaki | Kenneth Ishizaki                | Peter Ono         |                 |
| <b>Web Page</b>                  | Russell Okita (Co-Chair)   |                 | Mark Goodrowe (Co-Chair)        |                   |                 |

**2002-2003 HWEA BOARD OF DIRECTORS AND SPECIALTY COMMITTEE****Tina Nakasone, President\***

Hawaii Pacific Engineers, Inc.  
1132 Bishop Street, Suite 1003  
Honolulu, Hawaii 96813-2830  
Phone: 1-808-524-3771, Fax: 1-808-538-0445  
E-mail: [tmu@hawaiiengineers.com](mailto:tmu@hawaiiengineers.com)

**Peter Ono, Vice President\***

Brown & Caldwell  
119 Merchant Street, Suite 200  
Honolulu, Hawaii 96813-4413  
Phone: 1-808-523-8499, Fax: 1-808-533-0226  
E-mail: [pono@brwnald.com](mailto:pono@brwnald.com)

**Kristie Ching, Secretary/Treasurer\***

City & County of Honolulu  
Department of Design and Construction  
Wastewater Division  
650 South King Street, 14th Floor  
Honolulu, Hawaii 96813  
E-mail: [kching1@co.honolulu.hi.us](mailto:kching1@co.honolulu.hi.us)

**Steve Parabolicoli, Past-President & Nominating Chair\***

County of Maui, Wastewater Reclamation Division  
200 South High Street  
Wailuku, Hawaii 96793  
Phone: 1-808-270-7426, Fax: 1-808-270-7425  
E-mail: [steve.parabolicoli@co.maui.hi.us](mailto:steve.parabolicoli@co.maui.hi.us)

**Kenneth Ishizaki, National Director\***

Engineering Concepts, Inc.  
1150 South King Street, Suite 700  
Honolulu, Hawaii 96814  
Phone: 1-808-591-8820, Fax: 1-808-591-9010  
E-mail: [kishizaki@ecihawaii.com](mailto:kishizaki@ecihawaii.com)

**Jon Kawamura, PWO Representative\***

Aqua Engineers, Inc.  
P.O. Box 390039  
Kailua-Kona, Hawaii 96739  
Phone: 1-808-322-3047, Fax: 1-808-322-3140  
E-mail: [aquaeng@gte.net](mailto:aquaeng@gte.net)

**Jon Nishimura, Collection System Chair**

Fukunaga & Associates, Inc.  
1388 Kapiolani Boulevard, Second Floor  
Honolulu, Hawaii 96814  
Phone: 1-808-944-1821, Fax: 1-808-946-9339  
E-mail: [fainc@aloha.com](mailto:fainc@aloha.com)

**Tina Ono, Collection System Vice-Chair**

Phone: 1-808-523-4067, Fax: 1-808-523-4642  
E-mail: [tono@co.honolulu.hi.us](mailto:tono@co.honolulu.hi.us)

**Lisa Kimura, 2003 Conference Co-Chair**

Hawaii Pacific Engineers, Inc.  
1132 Bishop Street, Suite 1003  
Honolulu, Hawaii 96813  
Phone: 1-808-524-3771, Fax: 1-808-538-0445  
E-mail: [ikimura@hawaiiengineers.com](mailto:ikimura@hawaiiengineers.com)

**Ian Arakaki, 2003 Conference Co-Chair**

The Limtiaco Consulting Group  
615 Piikoi Street, Suite 1605  
Honolulu, Hawaii 96814  
Phone: 1-808-596-7790, Fax: 1-808-596-7361  
E-mail: [ian@tlcgohawaii.com](mailto:ian@tlcgohawaii.com)

**Lee Mansfield, Constitution & Bylaws Chair**

Hawaii-American Water Company  
P.O. Box 25010  
Honolulu, Hawaii 96825  
Phone: 1-808-394-1280, Fax: 1-808-395-5023  
E-mail: [lmansfie@calamwater.com](mailto:lmansfie@calamwater.com)

**Robin Matsunaga, Government Affairs Chair**

Belt Collins Hawaii  
680 Ala Moana Blvd.  
Honolulu, Hawaii 96813  
Phone: 1-808-521-5361, Fax: 1-808-538-7819  
E-mail: [rmatsunaga@beltcollins.com](mailto:rmatsunaga@beltcollins.com)

**Walter Billingsley, Government Affairs Vice-Chair**

Phone: 1-808-521-5361, Fax: 1-808-538-7819  
E-mail: [wbillingsley@beltcollins.com](mailto:wbillingsley@beltcollins.com)

**Barney Asato, Laboratory Chair**

Department of Environmental Services  
City & County of Honolulu, Sand Island WWTP  
1350 Sand Island Parkway  
Honolulu, Hawaii 96819  
Phone: 1-808-847-8356, Fax: 1-808-842-1301  
E-mail: [yoshi1@gte.net](mailto:yoshi1@gte.net)

**Anita Fernandez, Laboratory Vice-Chair**

Phone: 1-808-879-6109, Fax: 1-808-879-6369  
E-mail: [anita.fernandez@co.maui.hi.us](mailto:anita.fernandez@co.maui.hi.us)

**Alma Takahashi, Membership Chair**

County of Maui, Wastewater Reclamation Division  
200 South High Street  
Wailuku, Hawaii 96793  
Phone: 1-808-270-7420, Fax: 1-808-270-7425  
E-mail: [alma.takahashi@co.maui.hi.us](mailto:alma.takahashi@co.maui.hi.us)

**Yvonne Miyasato, Membership Vice-Chair**

Phone: 1-808-270-7419, Fax: 1-808-270-7425  
E-mail: [yvonne.miyasato@co.maui.hi.us](mailto:yvonne.miyasato@co.maui.hi.us)

**Anna Lee, Newsletter Chair**

**2002-2003 HWEA BOARD OF DIRECTORS AND SPECIALTY COMMITTEE CHAIRS**  
(continued)

Engineering Concepts, Inc.  
1150 South King Street, Suite 700  
Honolulu, Hawaii 96814  
Phone: 1-808-591-8820, Fax: 1-808-591-9010  
E-mail: [alee@ecihawaii.com](mailto:alee@ecihawaii.com)

**Kyle Okino, Newsletter Vice-Chair**  
Phone: 1-808-488-0477, Fax: 1-808-488-3776  
E-mail: [engineering@engrsol.com](mailto:engineering@engrsol.com)

**Dwight Nakao, Pretreatment Chair**  
County of Maui, Wastewater Reclamation Division  
200 South High Street  
Wailuku, Hawaii 96793  
Phone: 1-808-270-7920, Fax: 1-808-270-7425  
E-mail: [pretreat@shaka.com](mailto:pretreat@shaka.com)

**Ken Kawahara, Pretreatment Vice-Chair**  
Phone: 1-808-527-5377, Fax: 1-808-527-6214  
E-mail: [kkawahara@co.honolulu.hi.us](mailto:kkawahara@co.honolulu.hi.us)

**Roy Abe, Public Education Co-Chair**  
Hawaii Pacific Engineers  
1132 Bishop Street, Suite 1003  
Honolulu, Hawaii 96813-2830  
Phone: 1-808-524-3771, Fax: 1-808-538-0445  
E-mail: [rabe@hawaiipacificengineers.com](mailto:rabe@hawaiipacificengineers.com)

**Ann Tshako, Public Education Co-Chair**  
MGD Technologies, Inc.  
777 Kapiolani Blvd., Suite 401  
Honolulu, Hawaii 96813  
Phone: 1-808-593-1264, Fax: 1-808-596-0204  
E-mail: [annt@mgdinc.com](mailto:annt@mgdinc.com)

**Roger Babcock, Jr., Research Chair**  
University of Hawaii at Manoa  
Department of Civil Engineering  
2450 Dole Street, Holmes Hall 383  
Honolulu, Hawaii 96822  
Phone: 1-808-956-7298, Fax: 1-808-956-5014  
E-mail: [babcock@wiliki.eng.hawaii.edu](mailto:babcock@wiliki.eng.hawaii.edu)

**Kyle Yukumoto, Student Activities Chair**  
R.M. Towill Corporation  
420 Waiakamilo Road, Suite 411  
Honolulu, Hawaii 96817  
Phone: 1-808-842-1133, Fax: 1-808-842-1937  
E-mail: [kyley@rmtowill.com](mailto:kyley@rmtowill.com)

**Eassie Miller, Water Reuse Co-Chair (HWEA)**  
Brown and Caldwell  
119 Merchant Street, Suite 200  
Honolulu, Hawaii 96813-4413  
Phone: 1-808-523-8499, Fax: 1-808-533-0226  
E-mail: [emiller@brwnaald.com](mailto:emiller@brwnaald.com)

**Elson Gushiken, Water Reuse Co-Chair (AWWA)**  
Phone: 1-808-637-5078, Fax: 1-808-637-4779  
E-mail: [egushiken@aol.com](mailto:egushiken@aol.com)

**Russell Okita, Web Page Co-Chair**  
Fukunaga & Associates, Inc.  
1388 Kapiolani Blvd., Second Floor  
Honolulu, Hawaii 96814  
Phone: 1-808-944-1821, Fax: 1-808-946-9339  
E-mail: [webpage@hwea.org](mailto:webpage@hwea.org)

**Mark Goodrowe, Web Page Co-Chair**  
MGD Technologies, Inc.  
777 Kapiolani Blvd., Suite 401  
Honolulu, Hawaii 96813  
Phone: 1-808-593-1264, Fax: 1-808-596-0204  
E-mail: [goodrowe@mgdinc.com](mailto:goodrowe@mgdinc.com)

**ATTENTION LWA LINE READERS**

The *Lua Line* is a publication of the Hawaii Water Environment Association. It is published three times a year, with Spring (April - May), Summer (August - September), and Winter (December - January) issues. Its readership consists of over 400 individuals comprised of consulting and government engineers, wastewater treatment plant operators, laboratory technicians, university research staff, equipment vendors, students, and concerned citizens.

If you are interested in advertising in the *Lua Line*, please contact Anna Lee at 1-808-591-8820 or Kyle Okino at 1-808-488-0477.

## HWEA/WEF CALENDAR OF EVENTS

| EVENT  | DATE                 |
|--|----------------------|
| HWEA Winter <i>Lua Line</i> Newsletter   | January 2003         |
| Annual HWEA Pre-Conference Session "Handling Storm Related Peak Flows" (Honolulu, Hawaii)                      | January 29, 2003     |
| 25th Annual HWEA Conference (Honolulu, Hawaii)   | January 30-31, 2003  |
| WEF/AWWA/CWEA Joint Residuals & Biosolids Management Conference (Baltimore, Maryland)                          | February 19-22, 2003 |
| 9th Annual WEF Industrial Wastes Technical and Regulatory Conference (San Antonio, Texas)                      | April 13-16, 2003    |
| WEF/EPA/HWEA FOG/cMOM Combined 3-Day Workshop (Honolulu, Hawaii)   | April 14-16, 2003    |
| WEF/AWWA Information Management & Technology Conference and Exhibition (IMTech) 2003 (Santa Clara, California) | April 27-30, 2003    |
| HWEA Spring <i>Lua Line</i> Newsletter   | May 2003             |
| WEF/WEAT Collection Systems 2003 Conference (Austin, Texas)  | June 2-5, 2003       |
| HWEA Summer <i>Lua Line</i> Newsletter   | September 2003       |
| WEFTEC 2003 (Los Angeles, California)  | October 11-15, 2003  |



HAWAII WATER ENVIRONMENT  
ASSOCIATION • SINCE 1962  
P.O. Box 2422 • Honolulu, Hawaii 96804  
Internet Address: <http://www.hwea.org>

Presorted Standard  
U.S. Postage  
PAID  
Honolulu, Hawaii  
Permit No. 258

CHANGE SERVICE REQUESTED



Printed on recycled paper