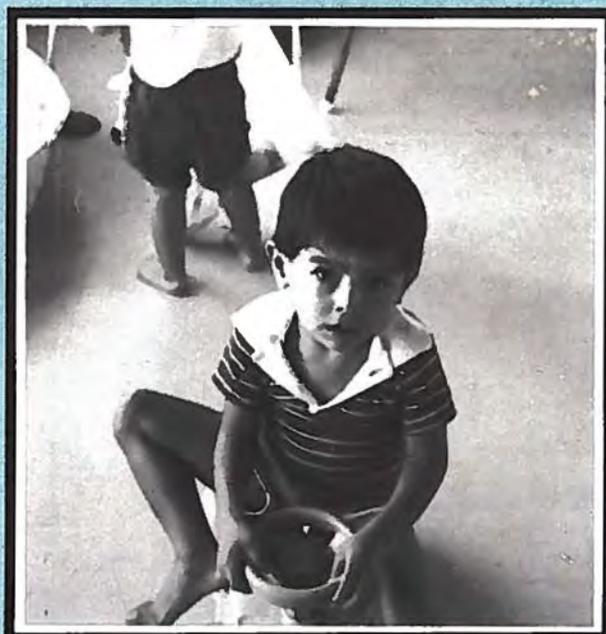
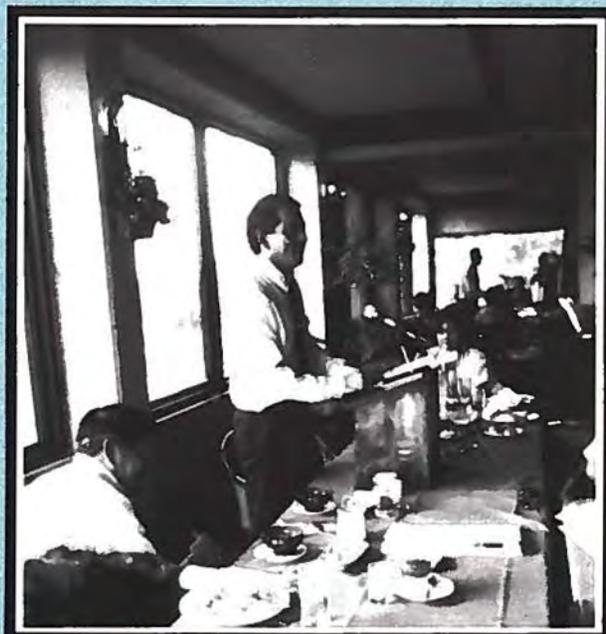


Guam Cooperative Extension

1987 Annual Report

UNIVERSITY OF GUAM

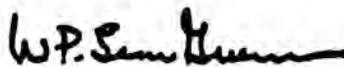


A Message from the Dean and Associate Dean

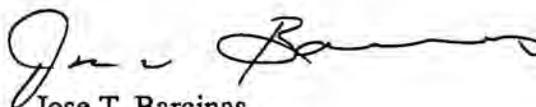
*We are proud to present the
Guam Cooperative Extension
1987 Annual Report. It presents a picture
of the work we do here at GCE.*

*Our mission is to help people identify,
understand and meet their needs and
problems and to provide them tools and
guidance to reach a solution. Our faculty
and staff are committed to making life
better for Guam's residents through an
ongoing informal education program.
And as our world changes, GCE
programs change to meet the demands of
the island population.*

*This year, from our four program areas --
Agriculture and Natural Resources,
Community Resources Development,
4-H and Youth Development, and Home
Economics, and our support services, we
have highlighted projects that are either
new or have been highly successful.*



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Associate Dean

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Contents

| | |
|--|----|
| Overview | 1 |
| Agriculture and Natural Resources (ANR) | 2 |
| Featured project -- Effective Weed Control | 4 |
| Community Resources Development (CRD) | 6 |
| Featured project -- Family Community Leadership | 8 |
| 4-H and Youth Development | 10 |
| Featured project -- Public Speaking | 12 |
| Home Economics (HE) | 14 |
| Featured project -- Family Relationships and Child Development | 16 |
| Media Services | 18 |
| Agricultural Development in the American Pacific (ADAP) | 20 |
| Extension Retreat | 21 |
| Publications Listing | 22 |
| Faculty and Staff Listing | 24 |

Hafa Adai from the Guam Cooperative Extension University of Guam

The national Cooperative Extension System (CES) is an informal, educational delivery system created by the United States Congress in 1914. This unique education system is based on the belief that human progress can be enhanced if the products of research can be translated to common language and made available to individuals for a higher quality of decision making.

CES is a three-way partnership. Your island Land Grant University, the United States Department of Agriculture (USDA), and the local government share in planning and financing extension work. And, to make sure local people have a voice in planning, volunteers are actively recruited to serve as advisers.

The Guam Cooperative Extension, which is part of the national Cooperative Extension System, was established soon after the University of Guam acquired its status as a Land Grant Institution in June, 1972. The Land Grant University is also the headquarters for the staff of specialists in four program areas -- Agriculture and Natural Resources (ANR), Community Resources Development (CRD), 4-H and Youth Development, and Home Economics (HE). This network is comprised of trained professionals -- skilled in assessing the needs of various audiences and developing effective and appropriate educational programs -- who work with individuals and community leaders.

The Cooperative Extension System is a vast facility for extending knowledge to all Pacific Basin Territories and States. This system reaches more than 3,000 extension offices throughout the continental United States, Hawai'i, the Federated States of Micronesia (FSM), the Republic of Belau, the Republic of the Marshall Islands, the Commonwealth of the Northern Mariana Islands (CNMI), American Samoa, Puerto Rico and the Virgin Islands; provides a link for effective communication between agricultural producers and consumers; and is linked to professionals and researchers at Land Grant Universities who provide ready access to research- based information.

Agriculture and Natural Resources

Aquaculture

Activities in 1987 were focused on developing local sources for stocking material or developing outside sources. The development of the Guam Aquaculture Development and Training Center (GADTC) was the primary task. GCE assisted in the acquisition of funds, which eventually materialized in the form of a local appropriation of \$125,000 and a special grant from the Department of Interior of \$155,000. GCE maintained its input into the development of the aquaculture industry with its Aquaculture Extension Agent's participation in the Renovation and Operation Committee of the hatchery. Our agent was also selected to be on the Technical Committee of the recently established Center for Tropical and Sub-Tropical Aquaculture, a program of the USDA. As a member of this committee, our agent provided input into development of a project proposal to further enhance aquaculture, particularly shrimp farming on Guam.

A small catfish hatchery was set up by our Aquaculture Agent at the GADTC for two types of walking catfish. Three spawning trials were performed and a catfish spawning manual was produced for hatchery personnel.

A brochure was drafted on "Commonly Asked Questions About Aquaculture on Guam and a Description of the Common Species Used in Guam Aquaculture." This publication will be available by the middle of 1988.



Our agent attended, by invitation, the National Aquaculture Development Plan Forum in Davis, California, to provide input on revisions to the plan.

Four-hundred grey mullet were brought in from Hawai'i by our agent, to conduct a preliminary evaluation on their survival and growth. The local producers are encouraged by the results. A request has been made to obtain larger quantities for evaluation of response in commercial situations.

Livestock Production

Activities in livestock production revolved around animal disease control and treatment, establishing new sources for replacements for both livestock and poultry, and continuing educational efforts with livestock raisers on livestock management.

In animal health care, preventive health programs against tetanus in goats and warts in cattle through vaccination were continued, along with treatment and control against gastrointestinal parasites among ruminants.

In poultry, quality replacement chicks are now coming from Hawai'i. The chick mortality rate was then reduced from 50 percent to 5 percent upon arrival of the replacements. This is a reduction compared to the mortality rate of the chicks that were brought in from the continental United States.

Arrangements to import parent stocks of khaki Campbell from England for replacements of the sole duck farm on the island are also being made.



Effective Weed Control





Weeds have become a serious problem plaguing Guam farmers. Crop losses due to uncontrolled weeds range from 30 to 100 percent.

During the year 1987, a great deal of effort by our Agricultural Extension Agents of the Agriculture and Natural Resources program GCE was directed to the weed control needs of about 200 part- and full-time farmers.

Twenty-one farmers have adopted new techniques in weed control practices. Six fruit growers are using wick applicator devices for herbicide treatments on fruit orchards. Fifteen farmers have implemented the use of plastic mulch on vegetable crops.

Six farm demonstrations on mulching and irrigation lay-out were conducted on cooperators' fields. Fact sheets and a bulletin on weed control were presented at the Agricultural State Fair. Farm demonstrations proved to be the most effective tool to convey weed control methods.

Four dealers have reported the increase in sales of plastic mulch and herbicides. One dealer has purchased a mulch layer for rental service. The increase of sales indicates that farmers are practicing new weed control methods.

Ten members of the support staff of the Guam Agricultural Experiment Station, and one from the University's maintenance division were trained through workshops on herbicide application. Three AES research scientists have collaborated with one of our agents in setting up plastic mulch trails for disease and weed control purposes.

Community Resources Development

Gerontology Workshops

Community Development personnel offered training in gerontology to site managers and service providers of the aged in various locations throughout the Pacific Region. Aspects of the aging process and related matters were presented to groups of elderly on Guam. Senior citizens of the Marshall Islands and Saipan were similarly addressed especially on immediate and long-term care of elderly of indigenous ancestry.

Health Status of the Population of Guam

A five-volume series of publications was produced by Community Development reporting the results of an island-wide survey of the health status of the people of the island. The work provided information for numerous seminars and workshops offered by Extension faculty. Requests for copies of the reports were received not only from Guam but also from Saipan, Hawai'i, and New Caledonia and Australia. The particular topics of volumes one through five, respectively, are "Salient Social and Economic Characteristics," "Dental Needs and Care," "Morbidity, Health Care Accessibility, Utilization, Satisfaction and Responsibility," and "An Analytical Discussion of Selected Life Style Patterns."



Regional Outreach

Outreach efforts included a presentation to the National Women's Conference at the request of the Marshall Islands' women. "Women and Community Development" was the topic presented to 200 women from the various islands of the Marshalls.

Pacific regional efforts were further enhanced by the South Pacific Commission's selection of one of our faculty members to evaluate the commission's health related programs and activities throughout the Pacific region. Fourteen island countries were visited as a result of this evaluation. The report is currently being translated into French. The presentation of findings and recommendations will be made in New Caledonia in May 1988 to the Committee of Representative Governments and Administrations Meeting.

Food Protection

A series of workshops for both commercial food handlers and homemakers in the area of food protection was held. Workshops covered methods of preventing the spread of foodborne diseases, and storage of frozen, refrigerated, and dry storage products. Personal hygiene in the prevention of foodborne diseases was stressed. Several of the workshops were held at local hotels to enable a majority of employees engaged in food service activities to benefit from the presentations. Other workshops were held in the classroom at the College of Agriculture and Life Sciences.

Local Government Manpower Training

Planning for a March 1988 Western Rural Development Center sponsored Regional Local Government Training workshop for village commissioners and village planning councils was carried out during the last quarter of 1987.

In-Reach Training

Planning for and development of a Western Development Center sponsored regional intercultural sensitivity training program, scheduled to be held in Hilo, Hawai'i, in June of 1988, involved Community Development faculty and indigenous Guam community leaders. A team from Guam met with representatives from Alaska, Hawai'i, Montana, California and Oregon in Vancouver, Canada, to develop the overall training plan. A weekly follow-up training material development session was held in Seattle, Washington, in October, to finalize the training outline. Representatives from the GCE were joined by representatives from Montana, Alaska, Hawai'i, and the Federated States of Micronesia.

Guam Family Community Leadership

The Guam Family Community Leadership (FCL) is an island-wide educational program dedicated to promoting community-based training in leadership skills, personal development and public affairs education.

The first \$50,000 proposal approved by the Kellogg Foundation was from Guam. Following the Denver workshop, the GCE entered into a memorandum of agreement with the Guam Council of Women's Clubs, whose 36 member organizations encompass a representative group of women on Guam. Together they have formed an FCL board of directors and launched the program.

This leadership training model differs from traditional approaches in that it is a co-equal partnership with the Guam Council of Women's Clubs. Through its programs, FCL hopes to provide individuals, in particular women, at the village level information and the opportunity to develop necessary leadership skills so that they may become involved in dealing with key village-community problems.

An island-wide training institute will be held annually. Approximately 50 volunteers will be trained, who will return to their respective villages and organizations to conduct specific workshops and seminars in FCL curriculum areas.



4-H and Youth Development

4-H Fisheries Program

Twenty-seven boys and seven girls, between the ages of 12 through 16, participated in the Annual 4-H Fisheries Program. This year's participants benefited from the assistance in training and leadership provided by two former participants. Fifteen professionals and five volunteers spent between 4 1/2 and 240 hours training throughout the seven-week course.

The program provides training to young people in both modern and traditional fishing techniques, and emphasizes an understanding of marine sciences, physical oceanography, marine safety, and an increased awareness in the marine environment. The fishing method featured in the 1987 Fisheries Program was Bamboo-Pole Fishing.

Bicycle Safety

The 4-H Bicycle Safety program is a four- to five-day program through which bicycle safety and maintenance are explained to school-age young people. The program is usually presented just before Christmas and at the start of the new year. Last year, more than five schools and two 4-H clubs participated in the program. As part of the program, young people are taught proper hand signals, rules of the road, bicycle maintenance and parts of the bicycle. There is a special safety rally, using real bikes, at the end of the session. Every child with permission, gets to ride in the rally. The program is both fun and educational.

Career Development

The 4-H Career Development program is designed for middle- and high-school age youth. This year the most active programs have been the Veterinarian Science Club; the Commercial and Professional Art Club; the Computer Club; the 4-H summer Sewing and Clothing Workshop; the Guam Community College Distributive Education Clubs of America (DECA) Dress-A-Living Doll project; and the International Exchange and Language Club.

A new club has just been started and was planned during 1987. This is the Architecture and Interior Design 4-H Club. This club is working with the American Institute of Architecture, and shows a very promising future.



The 4-H Dress-A-Living Doll project was once again a great success, and brought cheer and uplifted spirits to many of Guam's children. The continued success is due to the generosity of many people who contributed gifts and money to make sure 260 children had new holiday clothes last Christmas. The Guam Community College DECA students supported the project and this year played a major role in planning and organizing the projects and activities.



Soil Conservation and Forestry

The Soil Conservation and Forestry program is aimed toward the summer and spring months of the year. This program normally starts around late May or early June, with the onset of the rainy season. The 4-H'ers, together with the schools and the Department of Parks and Recreation summer program participants, planted more than 2,000 trees in the savannah at the Tarzan Falls area.

More than 2,500 school children participated in the Mr. Tree and Smokey the Bear program. This is a short workshop explaining the importance of trees and fire prevention. Mr. Tree, a cartoon character, and Smokey the Bear actually met the young people during the presentations.

Profiles for Tomorrow

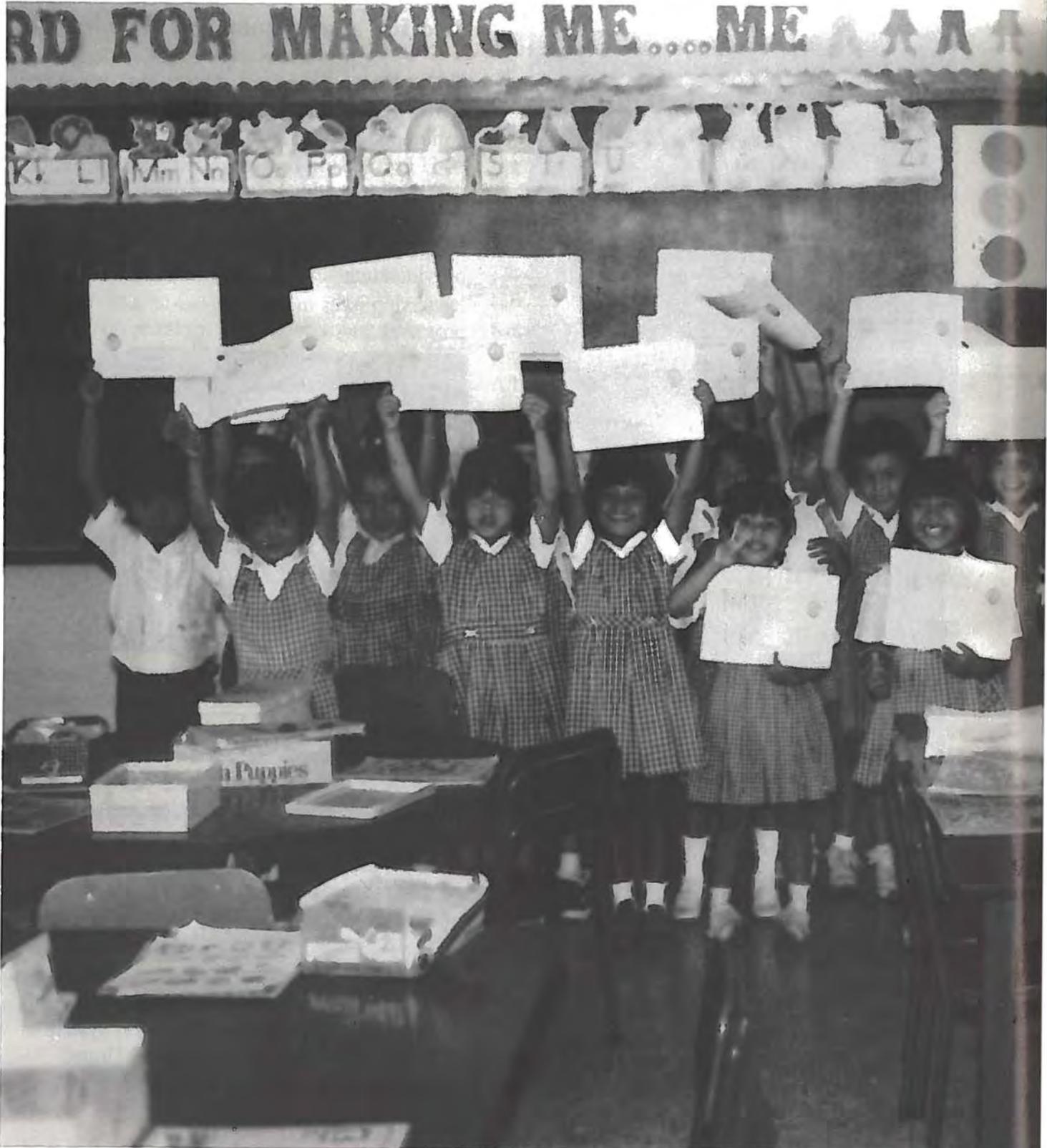
Two 4-H team members, Tina Tenorio and Leila Melyan, strengthened their leadership and communication skills when they attended the "4-H Profiles for Tomorrow" at the National 4-H Center in Chevy Chase, Maryland, in mid-October. The conference, which was sponsored by the Monsanto Fund, St. Louis, Missouri, provided intensive training for teens serving in leadership roles in their respective 4-H programs.

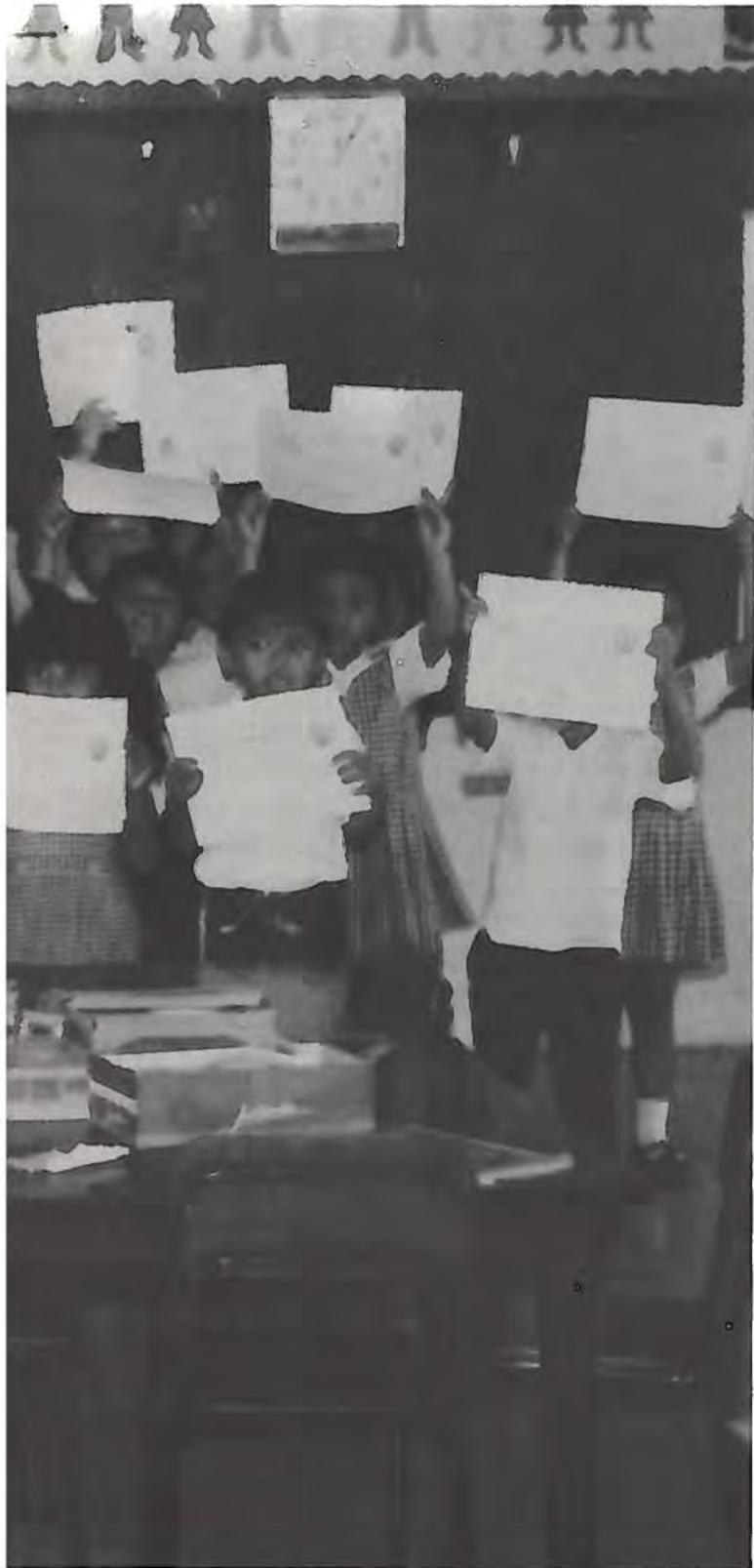


Tina and Leila were among the nearly 200 teenage 4-H leaders and adult advisers representing 49 states, Puerto Rico, and Guam at this conference. Workshops focused on leadership styles, dynamics of individual and group decision making, goal setting, 4-H visibility and effective communications. Both Tina and Leila agreed that what they learned helped them improve in the areas of personal image, leadership skills and goal setting.

"4-H Profiles for Tomorrow" was conducted by the National 4-H Council in support of the youth program of the Cooperative Extension System of State Land-Grant Institutions and the United States Department of Agriculture.

Public Speaking





More than 500 students ranging from ages six to 18, and 29 teachers participated in the 4-H Public Speaking project. Emphasis this year was on Listening Skills. Ninety-five percent of all the participants gained skills in listening demonstrated by written examination. All the participants, after passing a written exam were given certificates of completion.

Home Economics

Clothing Your Family on a Limited Budget

Clothing is one of our basic needs. As a basic need, a portion of the family budget should be set aside to guarantee this need is met. A small portion of the family income, about 10 to 15 percent, is usually spent on clothing. But many times a higher percentage of the family income is spent because of the rising cost of ready-to-wear garments. This pattern makes clear the necessity and demand to learn skills in clothing construction.

Sewing workshops have been very popular throughout the island. Various sewing workshops, such as Beginning Sewing, Children's Clothes, Men's Garments, and Basic and Advanced Pattern Drafting, are being offered. Wardrobe Planning workshops are also being offered.

Workshops cater to different types of clientele -- young people to adults, domestic to professional, civilian to military. Among the 183 clients who completed a sewing workshop, there was a combined savings of \$ 1,484.74 on the 86 garments made. The total number of clients contacted through these workshops was 1,252.

To help the general public learn about proper care of their clothing, a slide presentation entitled "What's In a Label?" was put together. The Home Economics Extension Agents also maintain a "Family Crafts" column in the "Pacific Daily News." This column is used to let the public know about clothing and family-related topics.



Family Resource Management

The need for family financial education is a top priority among families on Guam according to a survey conducted by Community Resources Development. Results of the "Image and Needs Assessment Survey" showed this need to be ranked second highest.

In an effort to fill this need, related workshops and seminars were offered; one-to-one counseling was given; regular newspaper articles were published; networking was established and strengthened with private and government agencies; and a Home-Study Course was offered.

Although these endeavors have significantly helped to educate the local community, much more work remains to widen the reach, visibility and impact of these programs. One such example of this effort is the Home-Study Course program which is a new format that was written to meet perceived needs.

Sewing For and Beautifying the Home on a Limited Budget

Everyone wants a beautiful home, but not too many people think they can afford one. The message that Home Economic workshops bring to the public is that having a lot of money to spend on decorating is not necessarily a prerequisite to having a beautiful home. These workshops cover the subjects of Interior Decorating, Sewing for the Home, and Making Centerpieces and Decorations for the Home.

These workshops help demonstrate to clients the skills and techniques they can use to enhance the appearance of their home on a limited budget. The use of local materials was emphasized. Participants were also encouraged to be innovative in their use of general use items, which at first glance appear useless, such as egg cartons and cardboard tubes. GCE publications -- "Accent on Colors" and "Building Blocks of Design" -- were effectively used to illustrate the application of basic elements of design and color to decorate.

There was a combined savings of about \$ 3,000 on home-decorating articles among 107 participants. The achievements made in the improved appearance of their respective homes and performance of home-decorating skills gave not only a boost to family morale but also gave the new-found decorator a sense of self-satisfaction.



Expanded Food and Nutrition Program (EFNEP)

The objective of EFNEP is to assist low-income families and youth acquire the knowledge, skills, attitudes, and changed behavior necessary for nutritionally sound diets and to contribute to their personal development and the improvement of total family diet and nutritional welfare.

Our EFNEP Extension Agent and Nutrition Aides work on a one-to-one basis in clients' homes and at the EFNEP center at the University of Guam, and through group presentations, also at the EFNEP center.

Over the past year contacts have been made and maintained with Food Stamp and WIC offices, Headstart, and the Department of Public Health and Social Services to increase the public's awareness of EFNEP.

Printed materials such as posters and flyers were distributed throughout the island community via public health centers, commissioners' offices, local banks and Food Stamp and WIC offices. Outreach efforts through future radio and television spots are already in the planning stages.

Family Relationships and Child Development



The Teen Parenting program continued as a cooperative effort by the College of Agriculture and Life Sciences, the University of Guam, the Department of Public Health and Social Services and the Department of Education. Classes were conducted for pregnant and parenting teens in all of the public high schools, as well as the University for those girls in the out-of-school program. There were a total of 263 participants in the program in 1987. Of these, 71 percent either graduated or continued in school. More than half attended at least 10 hours of parenting, prenatal, and prepared childbirth instruction. Thirty-two breastfed their babies for at least two weeks. Eighty-two percent chose a method of pregnancy prevention after delivery of their baby. Ninety-two percent of the teen mothers were taking their babies in for well-baby checkups and immunizations. Nineteen of the teen mothers had their babies cared for at the Infant Development Center at the University of Guam. This enabled these mothers to continue their high school education.

Effective Discipline classes for parents have continued. Classes have been held for Navy and Air Force Families, Head Start Families, Court- and Child-Protective-Services-referred families, as well as the general public. These classes provide parents with guidelines for effective discipline as well as the chance for parents to explore alternatives to physical punishment. By the end of the classes, about 90 percent of the participants have tried at least one of the suggested techniques and found it helpful.

The COPE project began in September with the beginning of classes for 75 middle- and high-school teachers and counselors. The classes were to help them see how they could include values clarification, decision making, and assertiveness in the classroom. The COPE project will continue into the following year, funded by a grant from the Gannett Foundation.



Media Services



The media section of GCE provides support for all program areas and the College of Agriculture and Life Sciences as needed. We produce booklets, pamphlets, information sheets and even signs for special occasions. Also in the area of print media, we assist Extension Agents in writing and editing newspaper articles and in photography.

Our daily radio production, "The Farm, Home and Community Report" is the longest-running continuing public service show in the history of commercial radio on Guam and the Northern Marianas. It runs on K-57 AM, and KUAM-AM and -FM on Guam, and is heard quite frequently, given adequate conditions, on the islands of Rota, Tinian, and Saipan. On the "Farm Show" we cover all of our work in GCE through interviews, announcements, current news relating to aspects of the University-Extension mission and reading of prepared materials from faculty and staff of the college. The show has won two awards for excellence from the Guam Press Club.

Extending beyond the University campus, we have helped extension agents, faculty and staff with displays for special events, such as the Malojloj Farmers' Fair, the Agricultural State Fair and at other community-service events.

Our "Teletips" system, is in its sixth year of operation, and has been an extremely effective means of getting the GCE message to the public. Extension teletips is a telephone information service. Teletips provides pre-recorded, practical information on a variety of topics of interest to the people of Guam. Teletips information is prepared by University extension staff and agents based upon the best available research data. A special feature of the service is that copies of the messages are mailed to callers and others on request. This has proven to be extremely useful for teachers, students, military families and others who have a need for multiple copies of the three- to five-minute scripts. More than 345 different scripts are currently available.



In a community outreach effort, media staff negotiated a special contractual arrangement with the Guam Agency for Human Resources Development (AHRD). We will be producing printed materials, radio spots and television programs related to employment and development of job opportunities for people on Guam. Soon you will be reading, watching or listening to some of these outreach campaign materials.

Agricultural Development in the American Pacific (ADAP)

A \$650,000. grant from the United States Department of Agriculture (USDA) will be shared by five Pacific areas -- the Commonwealth of the Northern Mariana Islands (CNMI), Guam, Hawai'i, American Samoa, and the Freely Associated States of Micronesia.

The Land-Grant Institutions of these areas have the goal of developing a competitive agriculture base to provide a foundation for sound economic growth and political stability in the region.

Because many of the problems are common to the institutes in the region, it is efficient to address them on a regionally coordinated basis. To implement regionally coordinated activities, a major infusion of resources is needed to develop the institutions in the region so that traditional funding can be effective in nurturing agricultural development in the American Pacific.

This initiative for an orderly development of Pacific island agriculture has five components:

- Develop communications and computer systems to enhance delivery of information to clientele
- Develop a comprehensive plan to accelerate and complement existing agricultural research and extension programs in the American Pacific
- Facilitate and foster faculty-staff development and exchange among institutions in the region to strengthen the region's institutions' ability to contribute to agricultural development
- Initiate a crop protection program focusing on coordinated programs of pesticide efficacy and registration and development of integrated pest management protocols
- Initiate development of a comprehensive and accessible information base on the physical and human resources in the region.

The University of Guam is coordinating the Communications and Data Bases components. The Community College of the Marianas is coordinating the Crop Protection plan. The American Samoa Community College is coordinating the regional Staff Development plan.

1987 Extension Retreat



Internationally known for his expertise in social sciences survey research, Dr. Don Dillman of Washington State University discussed mail questionnaire surveys with the Guam Cooperative Extension Community Development faculty during his visit to the island when serving as a consultant to GCE during the Second Annual Extension Retreat.

Two experts from our island community, Jon Anderson, general manager of K-57 and Z-98 radio stations, and Gerry Perez, of Duty Free Shoppers, Ltd., gave workshops on "Effective Communication Techniques and Information Sharing."

Family Court Judge Benjamin J. Cruz provided a session on "Family-Community Relationships and Methods for Dealing with Communication Breakdowns."

The annual retreat is designed for CES staff to exchange observations, upgrade professional skills and engage in workshops that will enhance the extension ability to better serve the people of Guam.

GCE Publications Listing

The following is a list of publications produced by the Guam Cooperative Extension and made available to the public.

ABC's for Parents of Young Children
Accent On Colors
A Guide to Growing Bananas on Guam
A Guide to Nutritious Snacks
A Planned Wardrobe for Guam
A Social Assessment of Public Reactions and Input to the Bureau of Reclamation's Guam Potential Water Resources Development Planning Study (May '85)
An Economic Assessment of Producing and Marketing Fresh Pineapples on Guam (June '82)
Baby Pig Care (Bulletin #1)
Be Prepared for the Typhoon
Breadfruit *Lemmai* is Nutritious
Breastfeeding Your Baby
Building Blocks of Design (rev. 1987)
Careers in Agriculture
Classification of Selected Vegetable and Fruit Crops (Cir. #FG6)
Choosing Baby's Diapers
Christmas Gifts from the Kitchen
Cockroaches and Their Control
Color Wheel (leaflet # H-1)
Common Poultry Diseases (Cir. #4)
Community Development Institute
Cooperative Extension Service
 1983 Annual Report
Cooperative Extension Service
 1986 Annual Report
Educational Information Center
Effective Discipline
Effective Discipline (revised)
Energy Conservation With Major Appliances
Extension Home Economics (1987)
Factsheet for Women on Guam
Family Community Leadership
Financial Manager, The

4-H Public Speaking: You and Me (1987)
 4-H Gardening Program
 Freezing Vegetable (HE Cir. F6)
 Getting the Most for Your Food \$ (CE series #3)
 Going, Going, Gone (Bananas)
 Growing Eggplant on Guam
 Growing Pineapples in Guam
 Guam's Favorite Foods (EHE Cookbook I)
 Guam's One-on-One 4-H Basketball
 Guam Planting Calendar (cir. #3, rev. 1987)
 Guide for 4-H Club Members
 and Officers for Guam
 Home Economics Careers
 Home Economics Gets It All Together
 Homemade Jams, Marmalades and Jellies
 -- A Special Treat (HE cir. # F7)
 Homemade Pickles and Relishes Put Zip
 to Meals and Snacks (HE cir. F5)
 How to Get More from Your Lawnmower
 (CE Pamphlet #1)
 Insecticide Guide for Vegetable Growers
 Installation of New Officers for 4-H Clubs
 Introduction to Home Gardening
 (Fruit and Vegetable series #1)
 Nutrition for Older People,
 Good Nutrition - Good Health
 Papaya Delicious (EHC Cookbook #2)
 Papaya Delicious (Leaflet # F18)
 Parents are Teachers, Too (cir. #4)
 Playing It Safe with Pesticides
 Pots and Pans
 Protect Your Kids - Use Carseats
 (series #4)
 Rattan, Wicker, Buri, and Bamboo . . .
 Good Choices for Island Decor
 Red Coconut Scale (*Furcaspis oceanica*,
 Lindinger) Flyer (1987)
 Roadside Marketing of Agricultural Products
 on Guam (Bulletin CRD #1)
 Save Water Heating Dollars
 So You Want to Organize A 4-H Club

Sprays, Sprayers, and Spraying (cir. #2)
 Swine Pest control (cir. #L10)
 To Spank or Not to Spank
 Vegetables Minigardens (cir. #1)
 Volunteer As A 4-H Leader (available by
 March 1988)
 What's on the Label (HRD cir. #2)
 What is EFNEP?
 Why is My Child Sometimes Naughty?
 What Goes Into Guidance?

If you would like a copy of any of these publications, call the Guam Cooperative Extension at 734-2575, 734-2579, 734-2518 or 734-4753. You may also stop by our offices at Dorm I on the University of Guam campus (near the UOG Fieldhouse), or write to Guam Cooperative Extension, College of Agriculture and Life Sciences, University of Guam, UOG Station, Mangilao, Guam 96923.

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| Doris T. Camacho | Secretary |

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