

Guam Cooperative Extension  
1988 ANNUAL REPORT



*"Our mission is to help people*

*identify, understand and meet*

*their needs and problems and*

*to provide them tools and guid-*


*ance to reach a solution."*

## **A Message from the Dean**

*We are proud to present the Guam Cooperative Extension 1988 Annual Report. It presents a picture of the work we do here at GCE.*

*This is a very special year, because it ushers in the 75th anniversary of our national Extension System which will be observed in May, 1989. As a part of the system, we will be conducting awareness programs that will explain our role in the local community and how we relate to the national effort. We will also be focusing on the four program areas, Agriculture and Natural Resources, Community Resources Development, 4-H and Youth Development, and Home Economics, and our support services which are outlined in this report.*

*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 improving the quality of life for Guam's residents through an ongoing informal education program.*

  
Jose T. Barcinas  
Acting Dean/Director

# **Contents**

---

The Guam Cooperative Extension

---

**2**

4-H & Youth Development

---

**3**

Agriculture and Natural Resources

---

**4**

Community Resources Development

---

**6**

Home Economics

---

**9**

Media Services

---

**10**

Agricultural Development  
in the American Pacific (ADAP)

---

**11**

Extension Retreat 1988

---

**12**

Publications Listing

---

**14**

Administration, Faculty and Staff Listing

---

## **Board of Regents**

---

J. U. Torres, Chairman  
Jesus S. Quinata, Treasurer  
Eloy Q. Benavente, Member  
Patty Jo Hoff, Member  
Jesus S. Leon Guerrero, Member  
Gerald S. A. Perez, Member  
James F. Wang, Member  
William Balajadia, Student Regent  
Wilfred P. Leon Guerrero, Executive Secretary

## **President of the University**

---

Wilfred P. Leon Guerrero, Ed.D.

## **College of Agriculture and Life Sciences Advisory Council**

---

John Aguon  
Hi Sup Ahn  
Wayne Brown  
Juanita Cruz  
Tony Leon Guerrero  
Brenda Maurer  
May Hang Ng  
Ed Norman  
Jaime Paulino  
Allan Quan  
Felix Quan  
Tony Quitugua  
Joseph Rosario  
Mariquita Taitague  
Charlene Tenorio  
George T. Tsai  
Bert Unpingco

## **College of Agriculture and Life Sciences Dean/Director**

---

Jose T. Barcinas (Acting)

# **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-pronged 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 advisors.

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 — 4-H Youth Development, Agriculture and Natural Resources (ANR), Community Resources Development (CRD), and Home Economics. 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: We provide a link for effective communication between agriculture producers and consumers; and is linked to professionals and researchers at Land Grant Universities who provide ready access to research-based information.



## 4-H & Youth Development

---



---

**4-Hers and volunteers gather to watch as Governor Joseph F. Ada signs a proclamation declaring October as 4-H Month on Guam.**

---

4-H & Youth Development program staff continued implementing educational programs and activities during the Fiscal Year 1988. The projects and activities completed included the following: Sewing and Textile Workshops, Summer Youth Fisheries Workshops, Teachers' Communication Workshops, Public Speaking and Listening Skills Workshops for Elementary Schools, bicycle safety workshops, Soil Conservation and Forestry Workshops, Career Programs, International Exchange, Computer and Veterinary Science workshops. In addition, two new 4-H clubs were organized; 15 elementary and middle schools participated in 4-H gardening programs; and students from three schools were taken on a guided tour of the Agricultural Experiment Station at Inarajan and research laboratories at University of Guam campus.

4-Hers and participants who completed these programs were estimated at 10,000. 4-H clubs, primarily, the Umatac 4-H Club, Tritons 4-H Club, Architecture 4-H Club, Agana Heights 4-H Club, and the International 4-H Club completed projects in beautification, cooking, design (interior), computer programming, and youth exchange.

# Agriculture and Natural Resources

---

A disease, bacterial fruit blotch, significantly hampered watermelon production this past year. Watermelon production represents approximately 40 percent of the total volume of fruit and vegetables grown on Guam. Personnel from GCE and the Guam AES plant pathology division worked together in conducting an islandwide survey of this disease. bacterial fruit blotch was first recorded on Guam in late 1987. Research is currently being done to determine control methods. Thrips palmi and melon fly continue to hinder production of crops such as melon, bell pepper, eggplant, beans and cucumber.

Soil samples were taken and fertilizer recommendations were made for about 80 farmers, three golf courses and four landscape operations.

-----  
Home garden visits doubled in 1988. Problems addressed on these visits included pest and disease identification and control, variety selection, fertilizer recommendations, and mango grafting, flower and inducement. In response to this anticipated increase, a 28-page booklet called "Home Gardening on Guam" was developed, printed and distributed..

In outreach efforts to educate the public and increase its awareness of agriculture, GCE played an active role in the First Annual Island County Fair; Guam and Micronesia Fair and the Senior Citizens Agricultural and Handicraft Fair. During these fairs, ANR staff presented slide-shows and talked about careers in agriculture to primary and secondary school students.

In conjunction with the USDA Soil Conservation Service, GCE conducted an island wide tour of the proposed sites for the River Basin Study. ANR extension agents served as guides to enable the Water Resource Review Team to visually assess the proposed sites.

Also, in a joint effort, GCE worked with AES and SCS to demonstrate the technique of electric fencing. Forty participants attended the demonstration held in Ija, Inarajan. In addition to their regular duties, the GCE extension agents serve as advisors to the Guam Soil and Water Conservation Districts.

A GCE extension agent guided visiting officials from ASCS (Agricultural Stabilization and Conservation Service) on its islandwide tour to see first hand the problems farmers and ranchers are faced with concerning to soil and water conservation. From information gathered on this tour, SCS officials were able to acquaint themselves with conservation problems encountered locally.

GCE in coordination with AES, SCS and the Guam Environmental Protection Agency held five pesticide workshops. GCE agents also demonstrated plastic mulching to farmers. In addition, five herbicide demonstrations on vegetable and fruit crops were conducted.

GCE upgraded and revised the Guam planting calendar, and in coordination with the AES plant pathologist published a flyer on bacterial blight of mendioka (cassava).

# Community Resources Development

---

## **Social-Cultural Change, Public Policy Leadership and Health Improvement**

The need for citizen involvement in decision-making was among the most pressing problems identified in an islandwide needs assessment study conducted by Cooperative Extension faculty. A major community problem was "too little village control over public services."

Efforts were successful in training more than 400 adults in the areas of community problem solving methods. Elected village officials and their planning committees are now better able to identify and meet the needs of the people at the local level. Housewives and other individuals have become more familiar with the process of dealing with family-related public issues. Training materials which will assist villages to access Cooperative Extension information more efficiently were developed and tested.

## **Gerontology Workshops**

Community Development personnel continued to work closely with the Division of Senior Citizens of the Government of Guam. Educational opportunities were provided to elderly families. Assistance was contributed to the annual Governor's Conference on Aging and educational materials were distributed to nearly 100 attending persons. Also, a Computer Literacy workshop was held for 24 senior citizens who increased their ability to productively contribute to their families. Another workshop was held on Report Writing for 25 Site Managers of the Senior Citizen Centers helping them and their agency provide improved services to the island's elderly.

## **Project COPE**

Project COPE, a joint effort involving Cooperative Extension and the Territorial Department of Education trained 70 teachers to implement activities in classrooms which helped an estimated 3,965 students clarify their own values, to make career plans, and to interact in a meaningful way with their peer group. Project COPE also helped all five high schools and five middle schools train Crisis Intervention Teams to implement procedural policies. University of Guam social work student interns were utilized as facilitators.

## **Providing For Basic Needs Among Low-Income Families**

The Division of Welfare, Department of Public Health and Social Services was assisted by Community Development faculty in establishing a profile of AFDC clients. This will prove helpful in planning efforts to revise Guam's Social Welfare System.

The need standards currently used on Guam were set more than 20 years ago, in 1967. Yet, the cost of food alone increased 250 percent on Guam from 1974 to 1984.

## **Diversity in the Western Extension Region**

A team of community development specialists from Guam, Alaska, the Commonwealth of the Northern Marianas and the Federated States of Micronesia were successful in receiving a grant commitment from the Western Rural Development Center to assist the group in getting together to develop an outline for a publication that will address the diverse conditions that make the Western Cooperative Extension Region different from the other regions of the National Extension Service.



## **Local Government**

100 elected village officials and their municipal planning councils were trained in the skills and practice of public management and policy formation during a two-day workshop held in the University of Guam Fieldhouse. This event was co-sponsored by the Commissioner's Council, office of the Governor, and Duty Free Shoppers. Funding in support of two off-island Cooperative Extension specialists from New Mexico and Montana and workshop materials were received from the Western Rural Development Center located in Oregon. Community development work in coordination with the village commissioners is planned to continue on an ongoing basis.

## **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.

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.

The Guam FCL holds an annual Island-wide Training Institute, sponsors various developmental seminars and workshops, publishes an FCL newsletter, and members serve as volunteers in many of the island community's activities.

One of the Guam FCL's most successful seminars this past year was a stress management workshop in which relaxation techniques were taught.

## **Inter-Cultural In-Reach Training**

The Western Rural Development Center continued to support the development of a regional intercultural sensitivity training program. When complete it is hoped that indigenous leaders and others will more effectively and efficiently access Cooperative Extension materials, training and other educational information. To this end, a team of community development faculty and indigenous community leaders from Guam, Micronesia, Hawai'i, Alaska and Montana have developed a training guideline along with materials for workshops to be held throughout Extension's Western Region. In June of 1988, a trial In-Reach workshop was held in Hilo, Hawai'i to test the training materials. Extension agents and native Hawaiians from various Hawaii counties took part in the week-long training development session. Plans are for the training group to meet early in 1989 in Tucson, Arizona to further refine the teaching materials and to develop a training manual.

## **1990 Federal Census Interagency Planning**

Planning continued throughout the year as Community Development specialists represented the University of Guam in an island-wide interagency governmental census planning committee. A strong case was made to Federal officials to provide the island with the results of the 1990 population enumeration in a much more usable form and timely fashion than was the case for the 1980 census study. An appeal was also made to allow for a more definitive classification of ethnic/social groupings than previously permitted.

# Home Economics

---

## **Guam Extension Homemakers Association (GEHA)**

With the help of the Home Economics Department, several activities were undertaken by the GEHA. Aside from their monthly meetings, the GEHA sponsored activities for the Sewing Week activities, September 18-24, 1988, which was proclaimed by the Governor of Guam.

The culminating activities for Sewing Week were displays simultaneously conducted in four shopping centers. The displays showed outfits made by 4-H children and extension homemakers. Clothing, sewing games, and door prizes were donated by participating stores and shopping centers, and the Ideal Silhouette program.

## **Managing Your Clothing and Housing Resources**

The emphasis in this program is managing the family resources to meet clothing and housing needs. Workshops are designed to help save money, time, and effort as well as make use of knowledge and skills.

Among the workshops offered were "Wardrobe That Works; and What's In a Label?, Ideal Silhouette, Beginning Sewing; Intermediate Sewing; Pattern Drafting, Advanced Pattern Drafting; Dress Designs for the Elderly; 4-H Beginning, Intermediate, and Advanced Clothing; Dress for Success; and Christmas and other Home Decorations." The workshop participants were 4-H children, adults (both professional and non-professional) and senior citizens.

A leaflet for elderly women entitled, "Dress Right and Look Right for The Mature Person," was prepared.

A Christmas display was sponsored with the objective of teaching families to save through the use of local materials and other seemingly useless articles in making decorations and gifts. Several schools conducted a field trip to view the display. Demonstrations on nutritious, festive snacks, and holiday potholders using remnants were done.

## **Family Life Program**

Effective Discipline workshops for parents have been offered to target audiences of headstart parents, Air Force parents, and Navy parents, as well as parents from the general public. These workshops focus on alternatives to physical punishment and effective ways of handling parent/child conflicts.

Parenting classes for teenagers were held once a week at the Guam Community College (GCC). In addition G.C.C. parenting teens assisted Rachel Bruce, Professor and Nurse at G.C.C. and Karen Carpenter, Associate Professor, U.O.G in the development of a parenting book for teens. The first booklet "Growing Together" which covers the baby's development from birth to 3 months is completed. The GCC graphic arts class is now printing the booklet. A second covering the baby's development from 3 to 6 months has been started.

Four social work students have taken part in an internship with Project COPE. COPE activities have continued with an after-school group of teens at G.W., and are being incorporated into Student Against Driving Drunk (SADD) activities at Johnston Middle School. A COPE class will be conducted soon at Inarajan, JFK, and Sanchez High School and the social work students are assisting counselors at these schools in establishing the classes. Spring semester COPE classes were held at Sanchez and after school activities were held at G.W. COPE is a project designed to assist teens with value clarification, decision making, and assertiveness techniques.

The Infant Development Center continued to care for babies of teens so that the mothers could continue to attend high school. Both the Infant Center and the Child Development Center continued to serve as an observation and practicum laboratory for university students.

## **Projecting a Terrific Image/Ideal Silhouette Program**

Since there are more working women today, the choice of the right clothes based on lifestyles and figure needs is very important. The ideal silhouette program responds to most of these needs. It is a computerized program which prints out styles flattering to one's figure after the person feeds her/his measurements into the computer. This is one of the most successful and most popular of our present programs.

Most people realize that the way you dress contributes much to the image you project. It will have an impact on your personal, professional, and social relationships. Knowing that you are dressed right will give you confidence. That is why this program has generated so much interest.

After the appropriate styles for a particular person has been printed out, the extension specialist explains to the participants what each of those styles mean and the significance of each.

This program was conducted in four shopping centers during Sewing Week and the public response was tremendous. In fact, there was one lady who went from one shopping center to another because she wanted to do the program but missed us as we moved around.

## **Expanded Food and Nutrition Program (EFNEP)**

Guam's EFNEP (Expanded Food and Nutrition Education Program) ends another year with several activities undertaken highlighting the program's mission.

As part of Guam Cooperative Extension's home economics program, EFNEP helps individuals and Families acquire the knowledge, skills , attitudes and changed behavior necessary to improve their diets and nutrition. Participants are taught basic nutrition concepts, food buying skills, and proper food storage and sanitation.

For 1988, EFNEP outreach contact totaled 12,039. Three hundred and thirty eight (338) homemakers graduated from the program, four of whom were males, and 21 were teen mothers. Youth participants numbered 231.

In a graduation ceremony held July 26, at the UOG Fine Arts theatre, certificates were awarded to 194 school cafeteria personnel who completed a 12-hour training program conducted this past summer by EFNEP staff,

On September 27 Nutrition Assistant Lou Nededog was presented the 88 Star Award for outstanding service to both WIC and EFNEP clients.

In observance of the 20th anniversary of the national EFNEP, Guam's EFNEP put up food and nutrition displays and demonstrations at Gibson's Department store. The observance began Nov. 13 and ended Nov. 19.

## Media Services

---

The media section of GCE provides support for all Extension 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 newsletter 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, and KUAM-AM and FM on Guam, and is heard quite frequently, on the islands of Rota, 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 in shopping centers and other public places.

Our "Teletips" system, is in its seventh 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 services 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.



## Agricultural Development in the American Pacific (ADAP)

---



**Lester Carlson, ADAP communications database operator demonstrates various functions of the computer system.**

Five Land - Grant institutions involved in a regional effort to promote Agricultural Development in the American Pacific (ADAP) obtained a \$650,000 grant from the U.S. Department of Agriculture (USDA) to implement a reciprocal resource sharing plan. These institutions include the University of Hawaii, University of Guam, College of Micronesia, American Samoa Community College and the College of Northern Marianas. The University of Guam is coordinating the communications and databases component. The primary purpose of this component is to initiate development of a comprehensive and accessible information base on the physical and human resources in the region.

A total of eight projects were funded under the Communications and Databases Task Forces' purview. The projects range in scope from surveys of farmers perceived needs to publication of pest identification leaflets, bibliographic database development to information skill design.

Two computer systems were purchased for each participating college. One system is designed to facilitate inter - institutional communications; e.g. bulletin boards, electronic mail, facsimile transmission. The second is dedicated to database development and desktop publishing.

## 1988 Annual Guam Cooperative Extension Retreat

---

The 1988 Guam Cooperative Extension Retreat was set in the serene tropical surroundings of the Pacific Islands Club in Tumon. Participants from Extension and cooperating agencies such as the Soil Conservation Service - USDA, the Department of Agriculture, and the Guam Environmental Protection Agency, were able to share information and exchange ideas in the environment of cascading waterfalls and Tumon Bay.

The all-day retreat (January 29) included morning and afternoon seminars on "Effective Communication," "Team Building," and "Computers Making Extension Work More Efficient." Dr. Donald L. Stormer, a visiting 4-H administrator from the USDA, presented the keynote address on "Marketing Extension Programs," at the retreat's evening banquet.

The Extension Retreat was started in 1983 and has become an annual tradition. It is intended to give extension faculty, administrators and staff the opportunity to share experiences and help each other learn from these experiences in a relaxed setting.



**Featured speaker, Donald L. Stormer, of the National 4-H Youth Development addresses extension agents on the topic of team building.**

## Guam Cooperative Extension Publications Listing

1987 GCE Annual Report  
1986 CES Annual Report  
1983 CES Annual Report

## Agriculture and Natural Resources

A Guide to Growing Bananas on Guam  
Growing Pineapples in Guam (Bulletin #5)  
An Economic Assessment of Producing and Marketing Fresh Pineapples on Guam (June '82)  
Assessing Alternate Sources for Commercial Inorganic Nitrogen Fertilizers on Guam #59 1987  
Bacterial Blight of Mendioca  
Baby Pig Care (Bulletin #1)  
Classification of Selected Vegetable & Fruit Crops (cir. # FGG)  
Cockroaches and Their Control  
Common Poultry Diseases (cir.#4)  
Cost and Returns of Hog Production on Guam #68 1987  
Cost and Returns of Producing Bananas on Guam #67 1987  
Disease Control Guide for Vegetable Growers

## Publications Listing

Home Gardening on Guam (#HG 88-1)  
Introduction to Home Gardening Fruit and Vegetables ( Series #1)  
Playing it Safe With Pesticides  
Sprays, Sprayers and Spraying  
Swine Pest Control (cir. #L10)  
Termites & Their Control  
Vegetable Minigardens (cir. #1)  
Going, Going, Gone (Bananas)  
Growing Eggplant on Guam  
Guam Planting Calender (circular #3)  
Guam Planting Calender (2nd revision)

### Guam Pest Series

Common Name: Fruit-piercing moth  
Scientific Name: Eudocima (Othreis) fullonia (Lepidoptera: Noctuidae)  
GCE Pub. #PS. 88-2  
Common Name: Leafminer  
Sc. Name: Liriomyza trifolii (Burgess) (Diptera: Agromyzidae)  
GCE Pub. #PS 88-3  
Com. Name: Mango Shoot Caterpillar  
Sc. Name: Penicillariam jocosatrix Guenee (Lepidoptera: Noctuidae)  
GCE Pub. #PS 88-4  
Com. Name: Sweet Potato Whitefly  
Sc. Name: Bemisia tabaci (Gennadius)  
GCE Pub. # PS 88-5  
Com. Name: Citrus Leafminer  
Sc. Name: Phyllocnists citrella (Stnt.) (Lepidoptera: Phyllocnistidae)  
GCE Pub. PS 88-6  
Com. Name: Black Citrus Swallowtail  
Sc. Name: Papilio polytes L.

GCE Pub. #PS 88-8  
Com. Name: Bean Pod Borer  
Sc. Name: Maruca testulalis (Geyer) (Lepidoptera: Pyralidae)  
GCE Pub. PS 88-10  
Com. Name: Bean Fly  
Sc. Name: Ophiomyia Phaseoli (Tyron) (Diptera: Agromyzidae)  
GCE Pub. #PS 88-11  
Com. Name: Woolly Whitefly  
Sc. Name: Aleurothrixus floccosus  
Maskell (Homoptera: Aleyrodidae)  
GCE Pub. #PS 88-13  
Common Name: Orange Spiny Whitefly  
Sc. Name: Aleurocanthus spiniferus (Quaintance)  
GCE Pub. #PS 88-14  
Common Name: Banana Skipper  
Sc. Name: Erionota thrax L. (Lepidoptera: Hesperidae)  
GCE Pub. #PS 88-15  
Common Name: Vanda Orchid Scale  
Sc. Name: Genaparlatoria Pseudaspidotus (Lindinger), Diaspididae  
GCE Pub. #PS 88-17  
Com. Name: Mango Budmite  
Sc. Name: Keiferophyes Guamensis; Eriophyidae  
GCE Pub. #PS 88-18  
Common Name: Phalaenopsis mite  
Sc. Name: Tenuipalpus pacificus Baker, Tenuipalpidae  
GCE Pub. #PS 88-19  
Com. Name: Red Orchid Scale  
Sc. Name: Furcaspis biformis (Cockerell), Diaspididae  
GCE Pub. # PS 88-20

## Community Resources Development

A Social Assessment of Public Reactions and input to the Bureau of Reclamation's Guam Potential Water Resources Development Planning Study (May 85\*)  
Careers in Agriculture  
Community Development Institute  
Educational Information Center  
Family Community Leadership (Guam)

Volunteers-Guam's People Helping People

Helping Pacific Island Youth Cope in Today's world

#### **4-H Youth Development**

4-H Public Speaking You & Me (1987)

4-H Gardening Program

4-H Program of Guam

4-H 16th Annual 1979 Year of the Child

Guam's One-on-One 4-H Basketball

Guide for 4-H Clubs Members and Officers of Guam

So you want to Organize a 4-H Club

4-H Volunteer Brochure

What is 4-H?

Volunteer as a 4-H Leader

Installation of New Officers for 4-H clubs

How To get More From Your Lawnmower (CE Pamphlet #1)

Nutrition for Older People

Parents are Teachers Too (cir #4)

Pots & Pans

Protect Your Kids, Use Carseats (Series # 4)

Rattan, Wicker, Buri and

Bamboo...good choices for island decor

Save Water Heating Dollars

To Spank or Not to Spank

What Goes into Guidance?

What's on the Label (HRD cir.#2)

What is EFNEP?

Why is my Child Sometimes Naughty?

#### **Home Economics**

ABC's for Parents of Young Children

Accent on Colors

A Guide to Nutritious Snacks

A Planed Wardrobe for Guam

Be Prepared for the Typhoon

Breadfruit "Lemai" is Nutrituous

Breastfeeding Your Baby

Building Blocks of Design (rev. 1987)

Choosing Baby's Diapers

Christmas Gifts from the Kitchen

Color Wheel (leaflet #H-1)

Effective Discipline (revised edition)

Energy Conservation with Major Appliances

Extension Home Economics (1987)

Every B.T.U. Counts

Fact sheets for Women on Guam

Financial Manager (The)

Freezing Vegetables

Getting the Most for Your Food \$ (CE series #3)

Guam's favorite Foods (EHE Cookbook1)

Home Economics Careers

Home Economics Gets it all Together

Home-made Jams, Marmalades &

Jellies - A Special Treat (H.E. Cir, # F7)

Home-made Pickles & Relishes Put Zip in Meals & Snacks (H.E. Cir F5)

## University Administration

---

Wilfred P. Leon Guerrero, Ed.D.  
President

Roy R. Tsuda, Ph.D.  
Academic Vice-President

James L. Craig, Ph.D.  
Administrative Vice-President

## Extension Administration

---

Jose T. Barcinas, B.S.  
Acting Dean, CALS

Marie T. Deloso  
Assistant Director  
CALS

## CALS Joint Support Staff

---

Edith T. Leon Guerrero  
Program Coordinator

Marie F. Reyes  
Administrative Secretary

Anthony Meno, B.S.  
Accountant II

Donna Martin  
Secretary

Amanda Arceo  
Accounting Technician

Patsy Leon Guerrero  
Operator

## Media Services

---

Silas E. Gould, M.A.  
Assistant Professor  
Media Specialist

Frank M. Tyquiengco  
Extension Assistant/Teletips  
(Left in August, 1988 to pursue education goals)

Cecilia C.T. Perez, B.A.  
Technical Assistant

Cynthia A. Diego  
Extension Assistant/Teletips



## 4-H and Youth Development

---

Theodore M. Iyechad, M.Ed.  
Program Leader  
Agent II

Peter R. Melyan, M.A.  
Agent III

Marie F. Reyes  
Secretary

Anthony M. Artero, B.B.A.  
Agent III

Terry Quinata  
Secretary

## Agriculture and Natural Resources

---

David P. Crisostomo, M.S. Ag.  
Program Leader, Agent II, Aquaculture

Frank J. Cruz, B.S. (Educ. Leave)  
Agent I, Crops and Pest Disease

Vincent M. Santos, B.S.  
Agent I, Crops and Pest Disease

Victor T. Artero, M.A.  
Agent II, Marketing and Farm Mgmt.

Bonifacio de Guzman, B.S.  
Agent III, Mktg./Extension Publications

Phoebe Wall, B.S.  
Agent I, Crops and Pest Disease

Jeff D. Barcinas, M.S.  
Agent III, Marketing and farm Management (Educ. Leave)

Manuel V. Duguies, D.V.M.  
Agent II, Livestock Production Mgmt.

Peter Tainatongo  
Agricultural Research Technician

Doris T. Camacho  
Secretary

## Community Resources Development

---

Lawrence F. Kasperbauer, Ph.D.  
Program Leader, Prof., Sociology

Richard N. Prelosky, M.P.H.  
Assoc. Prof., Community Development

Roberta S.N. Flores  
Word-Processing Secretary

C.R. Kim Bailey, M.A.M.M.  
Agent II/FCL Coordinator

Randall L. Workman, Ph.D.  
Assoc. Prof., Sociology

Rebecca Ann Rogney  
Word-Processing Secretary

Carmen L.G. Pearson, M.S.  
Agent II/FCL Coordinator

## Home Economics

---

Milagros Moguel, M.A., Program Leader  
Agent II, Clothing Construction

Erlinda Demeterio, M.A.  
Agent II, Family Resourec Mgmt.  
(Educational Leave)

Connie Nededog, Lou Nededog  
Julie Salas  
Extension Assistants  
and Nutrition Aides

Karen A. Carpenter, M.S.  
Asst. Prof., Child Dev. and Family Life

Loreto C. Malimban, M.A.  
Agent I, EFNEP

Patricia I. Adamos  
Secretary

## ***Helping You Put Knowledge to Work . . .***

Issued in furtherance of Cooperative Extension Work, Acts of May 8 and June 30, 1914, in cooperation with the United States Department of Agriculture (USDA). Jose T. Barcinas, Acting Dean/Director, Guam Cooperative Extension.

*"The programs of the University of Guam Cooperative Extension are open to all regardless of age, race, color, national origin, religion, sex or handicap."*