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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

LISTA DE TRABAJOS QUE SE VAN A PRESENTAR EN LAS CONFERENCIAS
DEL "V CONGRESO DE LA SECCION DEL CARIBE DE LA SOCIEDAD AME-
RICANA DE CIENCIAS HORTICOLAS"

Ing. Oscar Brauer H. The Dow Chemical Co. México.

- ✓ 1. "El uso de Herbicidas en las Plantaciones de Café"
(duración aproximada 15 min. con transparencias)
(será preferible programarlo para el día de la petición de él).

Ing. Guillermo Elizondo C. "Fertilizantes de Sonora y Sinaloa S.A." México.

2. "Ensayos de densidades de Siembra para el Cultivo del Guisano
en la Costa del Pacifico".
(duración aprox. 15 minutos, transparencias ?)

Dr. John Popenoe, U.S.D.A. Agricultural Marketing Service, Quality Maintenance and Improvement Section, Miami, Fla. U.S.A.

3. "La madurez del Aguacate" (avocado maturity).
(duración aproximada no definida y uso de transparencias pendiente).

Mr. Robert P. Armour. H. de Sola e Hijos. San Salvador, C. A.

4. "Investigaciones sobre Simariba Glauca (arceuthobium) en El Salvador"
(duración aprox. 20 min. y 30 transparencias).

Dr. Ernesto H. Casseres. Instituto Interamericano de Ciencias Hortícolas.
San José, Costa Rica. C. A.

5. "Eases para la Producción de Semilla Certificada de Papas".
(duración aprox. 15 min. y de 6 a 8 transparencias).

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6. "Cursos Cortos de Horticultura para las Regiones Tropicales".
(duración aprox. 15 min. y de 6 a 8 transparencias).

William Cooper and Edward O. Olson. U.S.D.A. Weslaco, Texas and Norman Maxwell. Texas Agricultural Experiment Station, Weslaco, Texas. U.S.A.

7. "Adaptación de Variedades y Patrones de Cítricos para el Valle del Río Grande de Texas".
(duración y transparencias no determinados).

W. H. Edge. Longwood Foundation Inc. Kenneth Square, Pennsylvania, U.S.A.

8. "Los Jardines Longwood".
(duración aprox. 10 min. sin transparencias).

- Filiberto Iazo. Comisión de Investigación Agrícola. Estación Experimental Agronómica, Santiago de las Vegas, Cuba.
- ✓ 9. "La Multiplicación de Diversas Especies de Frutas Tropicales".
(duración aprox. 12 min., transparencias ?)
- Frank D. Venning. Research Adviser and Agriculture. Estación Experimental Agronómica, Santiago de las Vegas, Cuba.
10. "Las Construcciones de Invernaderos y Umbráculos para Climas Tropicales".
(duración aprox. 5 min. con transparencias).
- S. John Lynch. University of Miami, Fla. U. S. A.
- ✓ 11. "Respuesta del Aguacate y del Limón a las Aplicaciones de Nitrógeno, Fósforo y Potasio".
- ✓ 12. "Resistencia al Frío del Aguacate".
(duración aprox. de los dos trabajos 15 min., cada uno, transparencias pendientes).
- Scott C. Stambaugh. Miami, U. S. A.
13. "Nuevas Prácticas Culturales para la Producción de Pifia de la Variedad Esmeralda".
(duración aprox. 20 min., transparencias pendientes).
- Luis A. Cortoni. S.I.C.A.P. Panamá.
- ✓ 14. "La Naranja", (Solanum Quitense H.B.K.).
(duración aprox. 20 min. 25 a 30 transparencias).
- Isaías Flores Reyes. Instituto Tecnológico de Monterrey. México.
15. "Pruebas de Adaptación de Algunos Cultivos Hortícolas para Tierras Fajas del Estado de Nuevo León".
(duración aprox.
- Jesús Fernández B. Dirección General de Agricultura. México.
16. "Ensayos y Demostraciones con Variedades Adaptadas de Papa, en Diferentes Zonas de México".
(duración aprox. 15 min., con transparencias).
- John S. Niederhanser. Oficina de Estudios Especiales, S.A.G. México.
17. "Programa Cooperativo Internacional para el Mejoramiento de la Papa".
(duración aprox. 10 min., sin transparencias).
- Javier Cervantes R. Oficina de Estudios Especiales, S. A. G. México.
18. "Investigaciones Básicas sobre el Cultivo de la Papa en México".
(duración aprox. 20 min., con transparencias).

Gabriel Uribe C. Dirección General de Agricultura. México.

- ✓ 19. "La Fruticultura Tropical en México".
(duración aprox. 15 a 20 min.)

Josué Kohashi S. Oficina de Estudios Especiales, S. A. G. México.

20. "El uso de herbicidas selectivos en la Zanahoria"
(duración aproximada 15 min. probablemente transparencias).

Elmer Ewing. Oficina de Estudios Especiales, S. A. G. México.

21. "Factors for Resistance to Pre-emergence Decay of Peas" (*Pisum sativum*)
(duración aprox. 10 min. con transparencias).

Efraim Hernández X. Escuela Nacional de Agricultura. Chapingo, México.

22. "La Horticultura en la Península de Yucatán".
(duración aproximada

Blachini. Turrialba, Costa Rica.

23. "Trabajo sobre Café".
(duración aprox. para microles.)

Ing. Teodoro Soto. Universidad de Puerto Rico. Río Piedras, P. R.

24. "La Acerola (*Malpighia glabra*) de Puerto Rico".
(duración aprox. 10 min. posiblemente transparencias).

LISTA DE DELEGADOS ASISTENTES AL V
CONGRESO DE LA SECCION DEL CARIBE DE LA SOCIEDAD
AMERICANA DE CIENCIAS HORTICOLAS

del 22 al 28 de abril

México, D.F. 1967

Ing. Agron. Eduardo Alvarez L.
Seccion de Horticultura
Oficina de Estudios Especiales, S.A.G.
Londres 40, México 6, D.F. MEXICO

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Escuela Agrícola Panamericana
Tegucigalpa, HONDURAS

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Inst. Inter-Americano de Ciencias Hort.
Programa de Cooperación Técnica
San José, Costa Rica

Ing. Jorge Benites
I. C. A.
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Ing. Agron. Javier Cervantes R.
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Homestead, Fla.
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Professor of Horticulture
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Ing. Magdahl Reiche
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Quillota, Chile

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C. A.

Mr. N.A. Reasoner,
Reasoner's Tropical Nurseries
Since 1991 South Tamiami Trail
1/4 Mile South of Cortes Rd.
Bradenton, Fla. U. S. A.

Dr. Frank J. Reynolds
S.T.I.C.A.
Tegucigalpa, HONDURAS, C.A.

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PROGRAMA

Martes 23 de Abril, por la tarde.

- 12:30 Salida de Londres #40.
- 13:00 p.m. La Venta. Visita a un vivero forestal de la fábrica de papel de Peña Pobre, S.A. Parque Nacional "Desierto de los Leones". Eduardo Buitner.
- 13:20 p.m. Las Cruces, división de aguas, altura sobre el nivel del mar de 9,987 ft. (3,050 metros.) Parque Nacional "Miguel Hidalgo" y Estación Piscícola de la Secretaría de Marina "El Zarco". Almuerzo aquí.
- 14:00 p.m. Salida a Santa Elena.
- 14:25 p.m. Campo Experimental del Estado de México "Santa Elena". Visita a un vivero de especies forestales y frutales.
- 15:30 p.m. Salida a Toluca. 8,661 ft. 2,656 mt. 52,853 habit.
Nevado de Toluca 15,016 ft. 4,617 mt.
- 15:40 p.m. Entrada a Toluca, Capital del Estado de México, altura sobre el nivel del mar, 2,600 metros.
- 15:45 p.m. Salida rumbo a Ixtapan, agricultura de temporal, maíz.
- 16:45 p.m. Tenancingo, zona productora de aguacate, olivo, flores, etc. (o bien visitar huerta de hoja caduca, adelante de Toluca, en el camino a Morelia).
- 19:30 p.m. Regreso a La Ciudad de México.

PROGRAMA.

Miércoles 24 de abril, por la tarde.

- | | |
|------------|---|
| 12.30 | Salida de Londres # 40. |
| 13.30 p.m. | Chapingo. Escuela Nacional de Agricultura, Campo Experimental "El Horno", visitas a invernaderos, trabajos sobre horticultura, avicultura, maíz, etc. Aquí se tomará el almuerzo. |
| 15.30 p.m. | Salida de Chapingo rumbo a Panoaya. |
| 15.55 p.m. | Los Reyes. Entronque de la carretera Chapingo con la carretera de Puebla. |
| 16.15 p.m. | Chalco. Centro Ganadero y Maicero. |
| 16.40 p.m. | Panoaya; Huerta del Sr. Manuel Muñoz Castillo, con especies frutales de hoja caduca y cultivos de rosales intercalados.
Altura 7,800 ft.; 2,554 mt; Iztaccihuatl 17,454 ft.; 5,315 mt.; Popocatepetl 17,372 ft.; 5,352 mt. |
| 17.40 p.m. | Regreso a la ciudad de México (si hay tiempo se regresará por Kochimilco, si no, será directo). |
| 18.05 p.m. | Chalco, con rumbo a Kochimilco. |
| 18.20 p.m. | Mixquic, zona productora de hortalizas en chinampas. |
| 18.50 p.m. | Kochimilco, zona también productora de hortalizas en chinampas. |
| 19.30 p.m. | Regreso a la ciudad de México. |

VIAJE A VERACRUZ

<u>Jueves 25 de Abril.</u>	<u>Altura ft.</u>	<u>Altura M.</u>
7.00 AM.- Salida de México	7344	2240
7.50 Chapingo	7410	2260
8.20 División de aguas Edo. de Tlaxcala.-Maguay (pulque) cebada, trigo Cerro de La Malinche	8983 14636	2740 4464
9.25 Apizaco, Tlax.	7934	2420
9.45 Huamantla, Tlax.	8328	2540
10.35 Oriental.- Trigo de verano		
10.45 Libres " " "	7869	2400
11.00 Escarpio (K=283)	8459	2580
11.10 Zaragoza, Pue. Manzana, pera, durazno, ciruela (K=300)		
11.20 Tlatlauqui. Mercado en jueves	6393	1950
11.55 Finca Pezmatlán Sr. Eduardo Avila Farra.- Aguacate, pera, manzana, ciruela, papa, etc.- 30 min.	6492	1980
12.30 Tetcles	6393	1950
12.35 Atempa Aliso (<u>Alnus</u> sp.) bosque climax de esta región. Encino (<u>Quercus</u> sp.) Zacatlaxcall (<u>Cuscuta</u> sp. Dodder) parásito de la región.	6426	1960
12.55 Teziutlán, Pue. (K=340).- 20,000 habit. Zona de frutales de hoja caduca; pera, manzana, aguacate, ciruela, nuez, flores, higo, castaño, etc. Almuerzo aquí: Hotel Virreyrial Tel.- 1-74 Sr. Antonio del Fuallo Costo \$8.00 a \$9.00	6373	2152

Visita a la huerta del señor
Silverio Gómez y al vivero del
señor Efraín Pérez (Fresa, castaño, agua-
cate, rosales, hortensias, ciruela, higo, etc.)

15.15	Salida de Teziutlán, Pue.		
15.30	Jalacingo, Ver. 12,000 habit. Zona de Nogales, Peras, etc.	6885	2100
15.45	Altotonga.- Zona de trigo, pastos, etc.	6721	2050
16.10	Perote Fuerte de San Carlos (1770-1777) Cofre de Perote (Volcán extinguido) Pico de Orizaba (" activo) Pico más elevado en México División de aguas	7803 14022 18320 7934	2380 4277 5588 2420
16.25	Las Vigas. Manzanos a la izq. M.M.C.	7803	2380
16.35	Zona volcánica, derrames del Cofre de Perote. Mal País.		
17.00	Banderilla Zona lechera y flores (niebla) Jardines de Lecuona. Visita de 45 Min.	5246	1600
17.45	Salida a Jalapa		
18.00	Jalapa.- Capital del Estado Veracruz 60,000 habitantes, Zona cafetera	4672	1425

Viernes 26 de Abril:

7.30	Salida de Jalapa, Ver.		
7.40	Comisión Nacional del Café Campo Garnica y Finca Las Animas Ing. Cecilio Villarreal Ing. Mario de la Parra Cultivo, experimentos y beneficio del café.	4393	1340
8.40	Huerto de Cítricos		
10.20	Sayula.- Finca del Lic. Alemán Mango, cítricos, seleccionadora de limón planta extractora de aceite esencial	656	200
11.05	Papaya adelante de Sayula, lado derecho		
11.15 (Boticaris)	Veracruz.- Primer puerto de México 120,000 habitantes	33	10
11.20	Mocambo.- Golfo de México		
11.30	Boca del Río		
11.40	Paso del Toro.- Piña; siembra y cultivo		
11.50	Los Robles.- Planta empacadora piña.		
12.50	Cotaxtla.- Centro de Investigaciones para zonas tropicales. O.E.B. y S.A.G. Almuerzo aquí. Visita de 1 hora. Hortalizas, etc.	56	17
14.30	Salida de Cotaxtla.		
14.50	Tinajas.- Puerta del Papaloapan	262	80
15.10	El Mango de Don Bartolo.- Mango, tabaco Café.- (Yanga)		
15.25	Córdoba.- Centro Cafetero 40,000 habitantes	2820	860
15.35	Fortín de las Flores.- 5000 habitantes Jardín Botánico. Hotel Ruiz Galindo Alberca de Gardenias (visita) Saliendo de Fortín pueden verse cafetales en las faldas y cerros que se ven desde la carre- tera, asociados con siembras de plátano y naranja.	3111	950

16.00	Orizaba, Mendoza, Río Blanco. 75,000 habit. Centro Industrial.- Textiles, cerveza	4078	1230
16.25	Acultzingo. Escarpio oriental K - 296	3602	1100
	K - 290	4584	1400
	K - 280	7204	2200
16.55	Cumbres de Acultzingo K - 280	7204	2200
17.25	Tehuacán, Pue. (K-252) 25,000 habitantes Se pasará la noche aquí Hotel SPA Peñafiel. Aguas Minerales	5717	1746

gmh.-

Sábado 27 de Abril.

10.00	Salida de Tehuacán Cultivo de Hortalizas K-163, cebolla, chile, trigo. Tecamachalco K-190		
11.00	Puebla, Pus. K-135 Capital del Estado 150,000 habitantes Iztaccihuatl Popocatepetl Almuerzo en Puebla	7052 17454 17872	2154 5330 5458
12.30	Salida para Xahuentla		
13.00	Atlixco, Pue. Centro Textil	6171	1835
13.20	Xahuentla, Huertos de aguacate. Sr. Gilly	5566	1700
15.30	Salida a México		
16.15	Cholula.- Centro Religioso		
16.45	Huejotsingo.- Zona de frutales de hoja caduca	6875	2100
17.45	Llano Largo.	10478	3200
18.45	México, D.F.		

gmh.-

RESEÑA DEL Vº CONGRESO DE LA
SOCIEDAD AMERICANA DE
CIENCIAS HORTICOLAS, EN
MEXICO

por: *Louis A. Gattoni*

MINISTERIO DE AGRICULTURA
COMERCIO E INDUSTRIAS
SICAP

IMPRESO POR
SICAP
PANAMA, R. P.

NEWSLETTER

A SECTION ON ORNAMENTALS for our 1958 meeting has been proposed by Douglas M. Knapp, Assistant County Agent at Miami. Douglas got the idea following the Mexico meetings, and after a trip through the Caribbean he reported considerable enthusiasm on the part of horticulturists he met. This interesting possibility is being discussed by several of us. We would like to have several ASHS members write in their ideas on having some separate sessions devoted to ornamentals. The field trips would be taken all together.

AN INITIAL GRANT OF \$50 from The Rockefeller Foundation office in Mexico has made possible this newsletter which continues the series started by Dr. Wilson Popenoe. We shall have to pay our own way in 1958-59 and therefore a nominal registration fee will be collected at the Havana meeting. A registration fee has already been customary in other ASHS regional meetings, and all will agree we have fairly high expenses with air mail rates and other geographical considerations. Our appreciation goes to the Foundation and also to the Head Office of Project 39 of the OAS in Costa Rica for providing secretarial help.

ABBREVIATIONS USING INITIALS to identify agricultural and other organizations are so prevalent that many persons get confused. During one of the bus trips in Mexico two ASHS members dissected several "siglas", as they are called in Spanish, and someone suggested others would be interested. ICA for International Cooperation Administration identifies the U.S. Point Four program that operates mainly through bilateral agreements. The OAS, for Organization of American States (OEA, Organización de los Estados Americanos) carries out work under multi-lateral agreements with the Western Hemisphere countries taking part such as in the IAIAS. This stands for Inter-American Institute of Agricultural Sciences (IIICA, Instituto Interamericano de Ciencias Agrícolas) at Turrialba, Costa Rica, which also carries out Project 39 - one of several projects of the Technical Cooperation Program of the OAS. On a world scale, FAO - Food and Agriculture Organization of the United Nations - works with 74 member countries. Thus FAO, IAIAS, and ICA represent three technical assistance programs, and there are still others. Several different letter combinations identify cooperative agreements of the U.S. with countries of the Caribbean Area. For instance, Guatemala has SCIDE, Haiti has SACT, Nicaragua has STAN, Panama SICAP, El Salvador SCASA, Honduras and Costa Rica STICA. Incidentally, the August 1957 issue of The Scientific Monthly carries 3 articles on "American Foreign Aid: A Reappraisal".

OVER 30 NEW ADDRESSES are included in the mailing list for this issue of the Newsletter. They represent persons attending the last meeting who are not on our records. If you are not already an ASHS member you are invited to become one.

ONLY 8 MONTHS UNTIL THE 1958 meeting schedule for June in Cuba. You may fly there and arrive from North, East, West or South by one of several airlines. Or go by car via Ferry from Key West or Miami. A call for papers will be made in the near future. Some tropical fruits will be at their best!

Caribbean Region

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

November 1957

Office of the Secretary - Treasurer
Box 4359, San José, Costa Rica

NEWSLETTER

PROGRESS IN FRUIT CULTURE IN TROPICAL AMERICA will be the title of the paper Dr. Wilson Popenoe will present before the XV International Congress of Horticulture in Nice, France next April. Our Caribbean Section of ASHS will be well represented. Any one interested may write the Secrétaire Général at 84 Rue de Grenelle, Paris VII.

THE SCIENTIFIC COMMUNICATIONS SERVICE of the Inter-American Institute of Agricultural Sciences at Turrialba, Costa Rica is cooperating with our Caribbean Region by handling the addressing on the envelopes that carry your Newsletter. The SCS has now on file a set of address plates for the Elliot Addressing Machine which can run off the envelopes for us at a considerable saving of time and low cost to us. The SCS was created to disseminate information to the agricultural technicians of Latin America. Using different methods of communication, this organization attempts to convey important and needed information to the main groups of technicians in the Latin American countries. One of the services of direct interest to horticulturists is the photocopy service. For US\$0.05 per page you can get a copy of any article in current or back issues of agricultural publications. Of 46,196 pages distributed last year to 29 countries, a good number were on horticultural topics. Reproduction in microfilm can also be obtained. Among other important activities of the SCS are the publication of the journal "Turrialba" with articles in English and Spanish, the extension quarterly "Extensión en las Américas" and "Comunicaciones Científicas Agrícolas" which is a report on current research.

GIBBERELIC ACID - FACT AND FANCY. With this title a leading eastern university comments in a letter to extension agents on the new "wonder drug" that has aroused so much interest and stimulated a considerable amount of research. Some claims apparently have been made on the basis of greenhouse tests but even so, we have already seen the spectacular results in promoting sprout growth in seed potatoes to give one example. As with other new materials and practices there will be need for caution in "going off the deep end" as the aforementioned extension letter so aptly puts it. Let's have new reports on gibberellic acid at our next meetings.

FIRST CALL FOR PAPERS. We would like to have a note by the end of March regarding papers intended for presentation at our June 1958 meeting in Havana. There will be a fine opportunity to discuss tropical fruits and new developments in vegetable production. In addition we expect a good number of papers on ornamentals to warrant a separate section, as suggested by several horticulturists. Those interested in presenting a paper on ornamentals, please get in touch with Douglas Knapp, Dade County Asst. Agric. Agent, 2690 N.W. 7 Ave., Miami 37, Florida.

AN ILLUSTRATED REPORT in Spanish covering our V Annual Meeting in Mexico was written by our colleague Louis Gattoni, Agronomist with SICAP of Panamá. The running account includes schedules, members attending, a map and several pages of photographs with pungent but informative captions. It was printed by SICAP and Louis deserves commendation for his able reporting. We shall need you in Cuba next June, Louis!

Office of the Secretary-Treasurer
Londres 40, O.E.E.
Mexico 6, D. F., Mexico.

NEWSLETTER

VI ANNUAL MEETING SET We are pleased to report that plans have been completed for holding our VI Annual Meeting in Cuba June 1-8, 1958. This Newsletter provides information on the program, some details about your next host country and a second call for papers. Plan now to attend!!

AN EXCELLENT PROGRAM has been arranged by Chairman Filiberto Lazo and Vice-Chairman Frank Venning, both of whom are horticulturists in Cuba. Registration will take place Sunday afternoon June 8th at the new Hotel Copacabana, which will be our headquarters. In the week from Monday through noon of the following Sunday the first three mornings will be devoted to the presentation of papers. Afternoon trips will include visits to see the experimental work in horticulture at Santiago de las Vegas; to a commercial avocado grove where bananas, limes and tropical vegetables may also be observed; to the Botanic Gardens of the University of Habana and to the Shadow Box Nursery. On other days we shall visit three commercial nurseries specializing in ornamentals and tropical fruits. The Minister of Agriculture Sr. Fidel Barreto has extended an invitation for lunch at his ranch on Guanabo Beach and there will be several other interesting highlights. A special trip to the Atkins Garden and Botanic Research Laboratory of Harvard University at Cienfuegos has been planned. This will be either a 2 or a 3 day trip according to the desires of the individuals wishing to make this excursion, and it will take place at the end of the meetings and trips in and around Habana. A detailed program will reach you early in April.

THE COPACABANA HOTEL on the Miramar shore has been chosen as our headquarters. Special rates for ASHS members will be US\$7.50 per day for double rooms and singles at US\$5.00. These are very reasonable rates for a Hotel that besides providing us with a meeting hall, also has a swimming pool, beach club, dining room and is located in the residential and hotel area 15 minutes to the west of the main part of the city. You should send in your reservation by May 1 to: Hotel Copacabana, 1a. Ave y 46, Miramar, Habana, Cuba mentioning you will attend the ASHS Caribbean Region meetings.

INFORMATION ON CUBA is provided on the additional sheet sent with this Newsletter. Due to the apprehension which many ASHS members of the Caribbean Region may have as a result of the newspaper reports on the internal political situation in Cuba, it is necessary to state that we believe that good meetings can be held at the dates given, without any trouble. However, as with meetings in other countries in past years, each person attending does so at his own risk, since neither the Caribbean Region of the American Society for Horticultural Science, nor its officers, can assume responsibility for conditions beyond our control.

SECOND CALL FOR PAPERS Please advise promptly your intentions to Secretary-Treasurer Ernest H. Casseres at new address given on this letterhead at top left, stating title of your paper (even though preliminary) and length of time required. Papers dealing with fruits and vegetables, as they are grown in the tropics and sub-tropics will be welcome. Ornamentals should be an important topic of discussion this year.

Office of the Secretary-Treasurer
Londres 40, O.E.E.
Mexico 6, D. F., Mexico.

1-8
VI ANNUAL MEETING June ~~8-15~~, 1958 LA HABANA, CUBA

GENERAL INFORMATION ABOUT CUBA

CUBA is the largest island of the West Indies, 760 miles long and from 25 to 125 miles wide, with an area of 44,164 square miles. The estimated population is 6,100,000.

HABANA, the Capital, with 1,000,000 inhabitants, is well known for its sunshine, sociability, fun and frolic, often called "The Paris of the Americas". Hotels range from the luxurious to modest first class accomodations, beaches and swimming pools are fine, food and drink among the best in the world.

CLIMATE is tropical, with summer temperatures ranging from 75 to 90°F during June, but the constant trade winds make it delightful.

CUSTOMS REGULATIONS AND DOCUMENTS: For U. S. citizens no passport or visa is required, but you must have some proof of nationality. You will be required to buy a Tourist Landing Card, which costs \$2.50 and is valid for 2 years. Most non-U. S. residents will be required to have passports, but if in doubt check with the Cuban consulate in your country well in advance.

WHAT TO WEAR: Comfort without too much informality is the keynote to dress in Habana. Remember, Habana is a cosmopolitan city, not a resort. Slacks and shorts for women, and shorts for men are NOT acceptable away from the beaches and country clubs. Cool dark cottons are best during the day. Black cocktail dresses after 5. You can go as gala as you wish after dark. Lightweight casual sport clothes are good for men in the daytime, but leave the loud shirts at home. White and natural linen suits as well as nylon cord are acceptable all the time. Bring a raincoat, because there are short, heavy rains during June. DO NOT BRING KHAKI field clothes; khaki clothing is restricted for the exclusive use of the Cuban Armed Forces.

FOOD: Cuban cooking is of Spanish origin modified by creole inventions, but is not "hot" or "spicy". French cooking is popular, and American dishes are served in many restaurants. Seafood is very popular. Meals are not cheap in Habana; however, you will find some excellent restaurants which serve wonderful food.

WHAT TO BUY: Cuba is famous for its cigars and tobaccos. The finest cigars in the world are made there. (American cigarettes are available for about 40 cents a pack and you may bring in 400 cigarettes duty free as a part of your personal baggage.) Habana is a marvelous shopping center for luxury and novelty items, but don't believe all you hear about bargains - the prices are substantially those of the U. S., in some cases higher. Among the best buys are French perfumes (slightly lower in cost - buy only in reputable shops in sealed bottles), Cuban rums, liquors, cordials, leather goods (alligator skin particularly - the better ones are soft and pliable the cheaper varieties tend to be stiff and dry). You can get almost anything you want in Habana, but these are the best buys.

Office of the Secretary-Treasurer
Londres 40, O.E.E.
Mexico 6, D. F., Mexico.

NEWSLETTER

October 1st., 1958
No. 26

A MESSAGE FROM
YOUR NEW PRESIDENT

"Costa Rica has long been a Mecca for naturalists. The wide range of different ecological formations within a relatively confined area provides an excellent opportunity to observe an equally wide range of wild and cultivated species. We are looking forward to the opportunity of showing the members of the Caribbean Region of the ASHS some of this wonderful country and its interesting plant life. We also anticipate the usual selection of fine papers on various horticultural subjects to round out the VII Annual Meeting to be held in Costa Rica in June of 1959. Robert Hunter, President Caribbean Region, ASHS 1958-1959". Dr. Hunter is Project Leader, Coffee and Cacao Technical Services, ICA-Turrialba Contract. His address is: Inter-American Institute of Agricultural Sciences, Turrialba, Costa Rica.

PAPERS PRESENTED AT THE VI ANNUAL MEETING - CUBA, 1958

1. The Florida Citrus Budwood Certification Program. Gerald Norman, State Plant Board of Florida, Winter Haven, Fla. (With Motion Picture).
2. The Kadang-Kadang Disease of Coconut. W.C. Price, Citrus Exp. Sta., Lake Alfred, Fla.
3. Plant Chimeras. John W. Watkins, Univ. of Fla., Gainesville, Fla.
4. Eréndira - A New Potato Variety, Resistant to Late Blight. Read for John S. Niederhauser, Oficina de Estudios Especiales, S.A.G., México.
5. Preliminary Studies on the Effect of Gibberelic Acid on Potatoes in Costa Rica. E.H. Cásseres, Inter-American Inst. Agr. Sciences, Turrialba, Costa Rica and Carlos Bianchini, Ministerio de Agr. e Ind., Costa Rica.
6. New Avocado Varieties in Puerto Rico. Teodoro Soto, Univ. of Puerto Rico, Río Piedras, Puerto Rico.
7. Poisonous Properties of Ornamental Plants. Julia F. Morton, Univ. of Miami, Coral Gables, Fla.
8. The Production of Vegetables in Cuba for Export. Federico Poey, Calzada 854, Semillas Poey, S.A., Habana, Cuba.
9. Fertilizer Experiments on Limes. John S. Lynch, Univ. Miami, Miami, Fla.
10. Survey of Florida Mango Varieties. R. Bruce Ledin, Univ. of Florida, Sub-Tropical Exp. Sta., Homestead, Fla.
11. Decline of the Cuban Banana Industry by Nematodes. Frank D. Venning, USOM, Habana, Cuba.
12. Palm Culture with Reference to Fertilization. Douglas M. Knapp, County Ext. Service, Miami, Fla.
13. Effect of Variety and Spacing on Onion Yields in Mexico in 1957. Macario Castro, Guillermo Hernández, Jorge Medina and E.H. Cásseres, Oficina de Estudios Especiales, S.A.G., México.
14. The Cultivated Bauhinias. R. Bruce Ledin, Univ. of Florida, Sub-Tropical Exp. Sta. Homestead, Fla.
15. Cuban Flower Gardens. Mrs. Federico Poey, Habana, Cuba.
16. Report on the Palm Society Activities. R. Bruce Ledin, Univ. of Florida, Sub-Tropical Exp. Sta., Homestead, Fla.

PERSONS ATTENDING
THE 1957 MEETINGS

CUBA - Filiberto Lazo, Angel Valiente, Frank D. Venning. EL SALVADOR - Ernest Mortensen. GUATEMALA - John G. Smith, Raymond E. White. HONDURAS - Antonio Membreno, Frank Reynolds. MEXICO - Ernest H. Casseres. - PUERTO RICO - Teodoro Soto. U.S.A. - Lillian S. Arnold, Gray F. Butcher, Burt Colburn, Mr. & Mrs. Eric B. Golby, Roy W. Harkness, Mr. & Mrs. Douglas M. Knapp, Joel Kuperberg, R. Bruce Ledin, John S. Lynch, James T. Miner, Mr. & Mrs. Leonard R. Morris, Mrs. Julia F. Morton, Gerald Norman, W.C. Price, Mr. & Mrs. Scott U. Stambaugh, Norman E. Sutton, John V. Watkins.

SHALL WE PUBLISH
PROCEEDINGS EVERY
YEAR?

During our recent meeting in Cuba, a spontaneous discussion developed on the possibility of publishing a volume of our proceedings every year. It was pointed out that three considerations should be made: 1) Adequate research papers should be submitted whenever possible, to the Editor of the parent Society; 2) it would be essential for everyone presenting a paper to bring a typed final copy or at least a good summary; 3) proper financing could be met by voluntary contributions or by seeking special funds. Since a good many of the papers would be of a general nature and certain reports could be in Spanish, we feel at this time that there is a definite possibility that we may print another volume with the VI Annual Meeting Reports. To start, would the persons who did not turn in a paper or summary please do so to your Secretary-Treasurer within the next 5 or 6 weeks. It would be wise to take advantage of low-cost printing in Mexico. A small fund is already available for this purpose. Correspondence on this subject is invited.

HORTICULTURIST SOUGHT
FOR POSITION IN THE
CARIBBEAN REGION

"The Escuela Agrícola Panamericana invites applications for a position in the Horticultural Department. Appointments will be in professor category with rank and salary dependent upon qualifications. Ability to speak Spanish is prerequisite and the applicant should have an M.S. or Ph. D. with either a major or a minor in Horticulture. Nationality not important. Duties involve teaching and supervision with the aid of two instructor-assistants. Living conditions and liberal perquisites should make the position attractive for one interested in a teaching career. Address replies to the Director, Escuela Agrícola Panamericana, Apartado 93, Tegucigalpa, Honduras".

RANDOM ITEMS

Your Secretary-Treasurer conferred during mid-September in Costa Rica with President Robert "Bob" Hunter, and Vice-President Eduardo Jiménez S., on preparations for the 1959 meeting in that country. -- The Newsletter dated 30 July 1958 was incorrectly numbered. It should be No. 25 instead of No. 24. --- The titles given for the papers presented in Cuba are subject to correction by the respective authors. --- You may still obtain copies of the 1957 Proceedings. Authors were sent 5 copies and additional ones may be secured while the supply lasts. -- An item in a story by Nixon Smiley concerning pineapples in the September 7th Miami Herald, resulted in 40 requests (to September 20) from Florida for our Proceedings.

Office of the Secretary-Treasurer
Londres 40, O.E.E.
Mexico 6, D. F., Mexico.

NEWSLETTER

January, 1959
No. 27

PLANS SET FOR COMING MEETING Costa Rica will be host country to our VII Annual Meeting June 7-13, 1959 which will be held under the auspices of the Inter-American Institute of Agricultural Sciences. Our base will be San José. The first three days will be devoted to papers and short field trips that will feature various horticultural crops and Volcán Irazú. The group will go to Turrialba at mid week for a tour of the Institute, hear final papers and attend the annual banquet. Coffee, cacao, rubber and other tropical plants will be viewed the next day before the group returns to San José. An important event will be scheduled for Saturday with Sunday left as a free day or for departure by those who must get back home within a week. For the following week, three optional field trips are being planned at cost by jeep, plane or car to three different regions from which the nurseryman, botanist or crops specialist can choose. Quite a few members have expressed a desire to go to Costa Rica and with a program like the one in preparation, a sizeable group is expected. (Also, we can just about guarantee no revolution!)

SOCIEDAD HORTICOLA PARA
AMERICA TROPICAL JOINS US

In 1943 a group of young horticulturists attending an international training course in Cuba decided to form an organization to make available news concerning advances in horticulture in Spanish at the extension level. By the end of 1957 ten bulletins had been issued and membership reached 50 representing 16 countries. However, it had become practically impossible to continue publication or to arrange for the members to meet. On September 16, 1958 a decision was reached to join up with the Caribbean Region ASHS and to turn over their funds to us. The fact that our proceedings have carried some articles in Spanish, that our aims are very similar, and that our group has consistently met every year were some of the deciding factors. The Caribbean Region extends a warm welcome to our new colleagues and hopes many of them will become active members of ASHS.

**1958 PROCEEDING
HAVE GONE TO PRESS**

Registration fees collected in Cuba last June, funds received from the Sociedad Hortícola para America Tropical and substantial help from the Oficina de Estudios Especiales de Mexico are making it possible to publish again our proceedings which have been well received in our Region. Many persons will have helped to make this publications possible and our special appreciation is extended to Dr. E. J. Wellhausen and to Dr. R. W. Richardson, Jr. for their interest and cooperation. Only 500 copies will be printed this time. Our 1957 proceedings were distributed free to anyone, but a former officer of our Region writes that we should now "charge non-members for copies. After all . . ."

ANY NEWS FROM YOU?

Dr. Wilson Popenoe returns to Guatemala soon to start writing a manual on tropical fruit at the request of an important publishing house in Spain. We expect he will attend our next meeting and maybe he will be persuaded to give an account of his many recent experiences. Frank Venning leaves Cuba January 31st and after April 1st his new address will be: USOM Jordan, c/o American Embassy, Amman, Jordan. -- Frank Reynolds wants all members who have kodachromes taken during previous meetings to bring them to Costa Rica for a joint showing, which is a fine idea. -- Gordon Ross went over to British Honduras and sent us the first names we have of horticulturists in that location who are interested in our Region.

Caribbean Region

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE NEWSLETTER

April 25, 1959
No. 28

Office of the Secretary-Treasurer
Lindes 40, O.E.E.
Mexico 6, D. F., Mexico.

VII Annual Meeting Headquarters
GRAN HOTEL COSTA RICA

The Gran Hotel Costa Rica in San José will be our headquarters June 7-13, 1959. Located within walking distance of stores, banks, Post Office, the famous Teatro Nacional, parks and restaurants, the Gran Hotel has granted a discount to delegates who wish to stay there. The Conference Room on the 5th floor will admirably serve our purpose. We shall register downstairs in the Lounge Sunday afternoon June 7.

ATTENDANCE OF 40 PREDICTED Indications of interest in the meetings this year and intention to be present allow an attendance estimate of some 40 delegates. Among them: Teodoro Soto and Carlos Aponte will come from Puerto Rico; Louis Gattoni will fly up from Panamá; Dr. George Zentmeyer (U. Cal.) is considering and avocado hunt with Dr. Popenoe in Guatemala and then going on to C. R. with him. Angel Valiente - Cuba - will join us, and three from Mexico are scheduling the trip. Messrs. Lynch, Schneck, Stambaugh and Wolfe have decided, with other Floridians, to see Costa Rica for themselves. Dr. Egbert Tai will be the first delegate from Jamaica. From Nicaragua and points North, other delegates will drive down on the Pan American Highway.

GENERAL PROGRAM LISTS FIELD TRIPS To many horticulturists, the trips are the memorable part of the meetings. Your Chairman, Dr. Robert E. Hunter, has made preparations for a trip to Pan American Seeds "Linda Vista" flower seed farm near Cartago. A direct ascent to Volcán Irazú (11,000 ft) early mornings usually provides some magnificent views from the top as well as along the way through dairy farms, pastures and potato fields. In Turrialba, some tropical and subtropical crops will be seen at the Inter-American Institute of Agricultural Sciences, sponsors of the VII Annual Meeting. The Institute has the best agricultural library in Latin America! And for those who can stay into the second week a unique opportunity will be provided to choose from three different field trips - all short and at cost.

WHAT IT WILL COST - WHAT TO BRING Besides your plane ticket you should allow from US\$5.25 to \$7.00 per day per person at the Gran Hotel Costa Rica (in double room with bath) without meals less 10% discount. Hotel Europa or Oriental start at \$4.50. A limited number of rooms are available in one or two Pensiones at US\$4.00 to \$5.00 per day with meals (Private baths not usually available with rooms in Pensiones). Meals in hotels and restaurants run about \$1.00 for breakfast; \$1.50 - 2.00 lunch or dinner. Thus, you will need from \$9.00 to \$11.00 per day for room and board. In addition: \$2.00 registration fee; and \$5.00 local transportation cost. A medium weight suit, field or sport clothes, raincoat (and rubbers) are recommended. Clothes are comparatively expensive in San José and it may take 4 - 5 days to get laundry back.

LIST OF PAPERS AND LAST Minute information will be included in the next Newsletter about mid-May. You are requested to write directly to the Hotel for your reservation.

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE
NEWSLETTER

Office of the Secretary-Treasurer
London 40, O.E.E.
Mexico 6, D. F., Mexico.

LAST NEWS BEFORE JUNE 7-13 MEETING
San José, Costa Rica

You may obtain a Tourist Card for US \$2.00 at the Costa Rican consulate or airline office nearest to you, instead of a visa. Smallpox vaccination certificate required. On arrival take taxi from airport to your hotel (\$1 per person). It would be helpful if you advise Dr. R. J. Hunter, Box 4359, San José, Costa Rica by airmail, date and method of arrival. Cable address: HUNTER AGROEA SAN JOSE. (See Newsletter No. 28). Registration in our headquarters Gran Hotel Costa Rica: Sunday 7th evening. Re. papers: Bring finished article, or at least summary if it is to appear in our next Proceedings. It is not essential that you be an active member of ASHS in order to attend, but you are cordially invited to join and receive the privileges of full membership. Delegates coming from Miami in LACSA Airlines (2 Biscayne Blvd. NE 4-5411) may take advantage of the 30 day excursion rate of \$145 RT and ask to have the ticket made out to include the portion San José-Panamá City and return, which may be used at the end of the meetings, if desired, at no extra cost.

PAPERS REGISTERED FOR VII ANNUAL MEETING (To 12 May 1959, some subject to confirmation).

Fifty years with tropical fruits. By Wilson Popenoe, Antigua, Guatemala. "A review of the situation as it was 50 years ago, what has been accomplished since then, and what should have our attention in the immediate future". Testing avocado varieties on behavior under refrigeration. By William Pennock, Univ. Puerto Rico. Some breeding problems of tomatoes in Puerto Rico. By Hassan Azzam, Univ. Puerto Rico. Estudio Preliminar sobre progenies de cafetos altamente productivos en El Salvador. Por M. J. Dijkman, T. Vilanova, J. Cordon, F. Schwanitz, S. Castellanos, C. Aguirreurreta, J. Guiscafré-Arr. Cultivation of ipecacuana in Panamá. By Louis A. Gattoni, SICAP, Panamá. Preliminary study on effect of gibberellic acid on cacao. By André Helfenberger, IAIAS, Turr. La luba del cacao en Costa Rica. Por Luis Siller. Inter. Am. Inst. Agr. Sc., Turrialba. Efecto del ácido giberélico sobre la brotación de cafetos viejos agoviados. - Control de la caída prematura del grano de café... Por Luis Montoya, Inter. Am. Inst. Agr. Sc., Turrialba. Breeding vegetables for local adaptation. By Henry W. Schneck, Homestead, Florida. Some problems in citrus nomenclature. By H. S. Wolfe, Univ. of Fla., Gainesville. Estudio del combate del ojo de gallo (*Mycena citricolor*) en café. Por Carlos Bianchini, Ministerio Agricultura e Ind., Costa Rica. Effect of gibberellic acid on sprouting of potato tubers. By Oscar Garófalo, Min. Agric. C.R. Two new sweet potato varieties for Mexico. By R. W. Richardson, et al. O.E.E., México. Climate and horticulture - Round Table Discussion. Led by Damon Boynton, Cornell Univ. Papaya improvement in Honduras. Frank Reynolds, STICA, Honduras. Ensayos con herbicidas en hortalizas en Toluca, México. Por Ing. Enrique Guzmán, Estado de México. (Note: English translation and discussion to follow Spanish titles, as needed).

A LOOK AT THE PAST - PRESENT - AND FUTURE

In November 1953 the first Newsletter issued by Wilson Popenoe, then Sec-Treas. for the Caribbean Region, opened with this statement: "Two years ago members of the American Society for Horticultural Science living or working in the Caribbean Region met in Honduras for the purpose of organizing a Regional Group. This was done, and the group was recognized by the Society. Dr. Jaime Guiscafré-Arrillaga was elected Chairman,

Dr. Pierre Sylvain Vice-Chairman and Dr. Wm. H. Cowgill Secretary-Treasurer. . . . " In April 1959 Popenoe wrote your present Sec-Treas. in part: ". . . the big thing is the Caribbean Region (has gotten) onto a formal basis. How much that pleases me, and I am sure Bill Cowgill feels the same way about it. He got things started; I tried to carry on for a few years; interest seemed to increase, but we were still rather shaky about the possibility of permanency. I believe (this has been) achieved. . . " - The following are excerpts from other recent letters. From Roy E. Marshall, Secretary-Treasurer of our Parent Society: "(The Caribbean Region) is to be commended for publishing (the Proceedings) in printed form. I believe this is the first report of a regional group to appear in such form". -From Gerald Norman, Citrus Bud-wood Registration Office, Florida: "I have received. . . the 200 reprints of the paper in the Proceedings. I found the reprints not only satisfactory, but I am really surprised that you were able to do such a fine job with non-English speaking printers". -From Eric V. Golby, Reaseoner's Tropical Nurseries, Fla.: "My wife and I expect to be with you in Costa Rica in June, and look forward to a most enjoyable and worthwhile trip, and to renew old friendships and make new ones". From Atherton Lee, Chatelet des Fleurs, Haiti: "I have enjoyed and profited from your annual reports. I think you have the livest, most active, stimulating membership of any society in which I have come in contact".

During the June meetings, as we look ahead and plan for the continued improvement and growth of our Regional Group, the ASHS members will have to act on the possibility of further publication of proceedings, and will vote on the meeting site for 1960. We have already a tentative invitation from Puerto Rico and we shall be happy to receive an invitation to meet back in the Central American area in 1961. It will not escape the attention of many that our group is slowly but surely emerging as a leading force that is stimulating the development of horticultural sciences in the area, and that this carries with it certain educational and other responsibilities.

HORTICULTURISTS PROMOTED

In 1958 Ing. Javier Becerra was made Director of the Escuela Nacional de Agricultura "La Molina", Lima, Perú. Ing. Becerra had been Head of the Horticulture Department of the School and is known for his good work in research and teaching in vegetable crops. -Early this year, Dr. Victor Curiel became Head of the Horticulture Department of the Escuela Agrícola Panamericana, Zamorano, Honduras. Dr. Curiel came from the University of Paraguay where he held a similar post. A graduate of the Univ. of Bologne, he has worked in tropical horticulture in various countries in Latin American and Africa. -Dr. Ralph W. Richadson, Jr., past Chairman of the Caribbean Region and former Head of the Horticulture Section of the Rockefeller Foundation's Agricultural Program in México, became Director of the Program in April 1959. Much of the recent progress of our Caribbean Region is due to the enthusiasm and support provided through his efforts.

INTERNATIONAL HORTICULTURE COURSE OFFERED IN MEXICO

The Organization of American States is offering the III International Training Course in Horticulture in México through its specialized agency, the Inter-American Institute of Agricultural Sciences. Fellowships for each country in the Caribbean area have been announced by the Northern Zone of Project 39 in Habana, under whose aegis the five-week course will be carried out. The Director of the course will be Dr. E.H. Cásseres and several ASHS members are among the professors including Dr. W. Popenoe, Ing. O. Brauer, Ing. J. Kohashi, and Dr. J.B. Corns. The event will open June 22, 1959 under the auspices of the National School of Agriculture at Chapingo, and with the cooperation of the Dirección General de Agricultura, the Oficina de Estudios Especiales, S.A.G., México and of FAO. Twenty young horticulturist are expected to attend.

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AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

San José, Costa Rica . June-7-13 1959

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NEWSLETTER

July, 1959
No. 30

The Annual Meeting of the Caribbean Region took place in Costa Rica during the week of June 7 to 13 with a total registration of 45 delegates from 10 countries. Previous meetings of this youngest regional group of ASHS have been held in Honduras, El Salvador, Guatemala, Mexico and Cuba. It seems appropriate to mention — perhaps not for the first time — that Dr. William H. Cowgill was responsible for the organization of our regional group and its recognition by the parent Society. Year by year we see ourselves taking on more permanent form: we see more interest on the part of horticulturists who live around the shores of the Caribbean, as well as others who have formerly lived and worked in this part of the world or who are interested in tropical horticulture.

The Costa-Rican meeting of this year resulted from an invitation extended at Habana in 1958 by Dr. Ralph H. Allee, Director of the Instituto Interamericano de Ciencias Agrícolas based at Turrialba, Costa Rica. Dr. Robert Hunter was elected Chairman for this meeting, and Eduardo Jiménez Sáenz, M. Sc., Vice-Chairman. It is difficult to give Dr. Hunter sufficient credit for his work in organizing the meetings and conducting the several excursions which as usual, were important, interesting, and enjoyable.

At the opening session in San José on June 8, our delegates were welcomed by Dr. Vicarioli, Director General de Agricultura of the Republic of Costa Rica and the Honorable Whithing Willauer, Ambassador of the United States of America. On this and the succeeding day, several papers were read by members of our group. On Tuesday 9 June there was a most interesting excursion to the Cartago region, where we visited the extensive orchid collection of Mr. C. H. Lankester and the horticultural establishment of Captain Claude Hope, where hybrid petunia seeds, snapdragons, and other annuals are produced in quantity, as well as cut flowers for the local market.

The next day an excursion was made to the region above Cartago, including the crater of the Irazú volcano. In this region we were shown experimental work with potatoes. Following this excursion we went to Turrialba for two days, as guests of the Instituto Interamericano de Ciencias Agrícolas. Here we were given an opportunity to see the various departments, including the recently-established experiment aimed to determine the effects of radioactivity on plant life; experiments on coffee, cacao, and other crops.

Perhaps it is fair to say that the highlight of this annual meeting was the symposium on "Climate and Horticulture" which was held on our last afternoon at Turrialba. Dr. Damon Boynton presided, and was ably assisted by Prof. F. Hardy (formerly of the Imperial College of Tropical Agriculture, Trinidad, B. W. I.), Professor Herbert S. Wolfe of the University of Florida, and Dr. Egbert Tai of Jamaica, all of whom contributed valuable information from their respective areas. Several charts prepared by Dr. L. H. Holdridge were used in connection with the discussions, which in general probably constitute a landmark in the technical study of climatic factors in relation to subtropical and tropical horticulture.

The above details are given for the benefit of members of our group who were not able to attend the Costa Rica meeting — without doubt one of the most successful we have held to date. It was voted at Turrialba to have the 1960 meeting during July in Puerto Rico. Definite dates will be announced later. Ing. Teodoro Soto (Box 607, Rio Piedras, P. R.) was elected Chairman for this meeting and Ing. Luis Berrios Vice-Chairman. Dr. E. H. Cásseres was reelected Secretary Treasurer. The new Chairman has already presented a tentative program which sounds extremely interesting.

In accordance with our custom (and with that of the parent Society) consideration was given to the 1961 meeting. Southeastern Florida was recommended by Wm. H. Krome. If it should be preferred to hold the 1961 meeting in Central America, Wilson Popenoe suggested Guatemala, which country has numerous horticultural attractions.

It is hoped to issue the Proceedings of the Costa Rica meeting shortly. This brings up the question of financing this bulletin, which is not a simple problem; but the fact that there are so few technical publications on tropical horticulture, and the rapidly-growing importance of the field, makes it seem greatly worthwhile for us to continue to publish our annual proceedings, especially because so many of our papers are of limited geographical importance (i. e., tropical) and therefore not considered altogether suitable for publication in the Proceedings of the American Society for Horticultural Science though without doubt many more would be accepted by the parent Society were it not for the high cost of publication in the United States. Your Secretary-Treasurer is confident that funds can be found within the Caribbean Region to continue the annual issuance of our Proceedings. Obviously, he will welcome practical suggestions on this point.

NOTES: By invitation, Dr. Wilson Popenoe kindly prepared this Newsletter while he was in Mexico.

The many activities connected with the III International Training Course in Horticulture which was carried out in Mexico soon after our last meeting, delayed this Newsletter.

We deeply regret the recent death of Dr. Bruce Ledin of Homestead, Florida. His sudden passing away leaves all of us with a deep sense of loss for he was a staunch supporter of our Region and one of the best tropical horticulturists, as Bert Calburn said, " We shall all miss him". E. H. C.

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NEWSLETTER

March, 1960

VIII ANNUAL MEETING MAY 29 - JUNE 4, 1960

No. 32

PUERTO RICO READIES FINE PROGRAM

A complete program has been drawn up for the 1960 Meeting starting May 29 in Rio Piedras, adjoining the capital City of San Juan. Special addresses will be heard during the inaugural session and important technical papers are to be presented. Pen-nock Gardens and the Experiment Station will be visited the second day with an evening social at the end. Isabela (pineapples, fruit trees) and Mayagüez (Federal Exp. Sta.); Ponce, and back to Rio Piedras are main stops on field trip on 3rd and 4th days. Friday will be devoted to technical events and banquet, while Saturday you have the option of a trip to El Yunque, Luquillo Beach or Shopping. The complete program with more details on the technical sessions and listing the special addresses, as well as with information on the worthwhile and fascinating tour will be mailed to you soon.

There are already indications that enthusiasm is running high, since delegates will be coming from Beltsville, Florida, Lower Rio Grande Valley of Texas, Mexico, Guatemala, El Salvador, Costa Rica, Venezuela, Trinidad and Virgin Islands. Plans for important papers to be presented include one by Dr. G. Steiner, Nematologist at Mayagüez, Puerto Rico and one by Dr. A. A. Piringer, Physiologist at Beltsville on effects of photoperiodism. Another Newsletter about May 1st. will carry final details.

CALL FOR PAPERS Members and friends are invited to give papers or reports on their work or about their area. Please fill out the attached slip and air mail promptly to your Chairman Teodoro Soto. Though our meetings are usually somewhat informal - we want to keep the relaxed, friendly atmosphere - this year an effort is being made to prepare in advance a list of main papers and reports. This will promote a better attendance. Early notification of your attendance or of your paper if you have one, is very desirable but is not essential - come anyhow!

EXPENSES, HOUSING The University will provide meals and lodging for US \$5.00 to \$6.00/day (Students will be in recess). We urge you to advise Chairman Soto early and to ask to stay at the University where we shall have our headquarters (Hotels also available). About US\$42.00 plus \$5.00 for local transportation and \$2.00 for registration fee will be a minimum cost. Consult your Travel Agent for tourist plane fares. Ask him about 30-day excursion rates.

FINANCING YOUR PROCEEDINGS We are pleased to report that two special contributions of US\$100.00 each have been received from Messrs. Francisco de Sola e Hijos of El Salvador, and from the United Fruit Co., to help defray the cost of publication of our Proceedings. In addition, an anonymous friend sent US\$60.00. The Caribbean Region extends its sincere appreciation for this timely help. Since we should continue to assume at least a part of the expense involved, further contributions will always be welcome.

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
PUERTO RICO

College of Agriculture and
Mechanic Arts of the
University of Puerto Rico
U. S. Department of Agriculture
Cooperating

EXTENSION SERVICE

Río Piedras, P. R.

CIRCULAR LETTER NO. 2

TO ALL MEMBERS OF THE AMERICAN SOCIETY FOR
HORTICULTURAL SCIENCES:

During the week of May 29 to June 4, the Annual Meeting of the American Society for Horticultural Sciences, Caribbean Region, will be held in Puerto Rico.

We know you have been delegate to other meetings of this Society. We are planning to have the best meeting of this Society up to date.

Probably you know the research being carried out on horticultural problems in our country. The results are helping our farmers and others in Latin America. If you visit Puerto Rico during the convention, you will see and make personal observations of the work under way. Research is being done in crops such as: citrus fruits, mangos, avocados, West Indian Cherry, pineapple, guavas, Passion fruits, grapes, macadamian nuts, bananas, black pepper, vainilla, coffee, mangosteens, rambutan, ornamentals and all kinds of vegetables.

The selection of new varieties of citrus fruits, like chironja, mangos, avocados, peppers and West Indian cherry varieties are worth seeing.

Research in plant pathology under the leadership of doctors Welman, Theis, Calpouzos, Bird and others are giving our farmers the solutions to many problems, which by far will help other countries. Work in nematology by Dr. Steiner in coffee and pineapple insects by Dr. Mario Pérez, and sugar cane insects by Dr. Luis Martorell is helping our farmers a great deal.

The collection of ornamental plants in private gardens and experiment station grounds provide an interesting view for those who will visit our Island.

The economic and social development of Puerto Rico during the last twenty years has been an example to all the Hemisphere. We invite you to witness it.

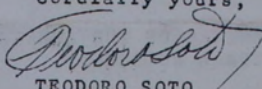
If you are presenting a paper in the convention, will you please send us by April 15 an abstract of it, so we can translate it.

We have been lucky in getting the cooperation of our University and of private institutions in providing room and board and entertainment for our meeting.

We hope you and your friends interested in horticulture or in seeing Puerto Rico will be our guests during that week.

Puerto Rico is one of the countries best socially and economically developed during last years. !Come down here and see us!

Cordially yours,



TEODORO SOTO
President - Caribbean
Region

etc
March 2, 1960

*add
Mrs. Lane
Dr. Wolfe*

C A R I B E A N R E G I O N
AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE
LIST OF DELEGATES REGISTERED AT THE VIII
ANNUAL MEETING

Puerto Rico, May 29 - June 4, 1960

BRITISH WEST INDIES:

Dr. J. S. Campbell
Imperial College of
Tropical Agriculture
St. Augustine
Trinidad, W. I.

Mr. Henry E. Taylor
c/o Bookers Manufacturing Drug Co.
Georgetown, BRITISH GUIANA
(Lime Grower)

COLOMBIA:

Ing. Enrique Rodríguez Z.
Centro Nal. de Investigaciones
Agrícolas Tibaitatá
Apdo. Aéreo 58-13
Bogotá, COLOMBIA

COSTA RICA

Mr. W. J. Wiltbank
Stica (USOM)
American Embassy
San José, COSTA RICA

CUBA:

Ing. Felipe González
Atkins Garden
Apartado 414
Cienfuegos, CUBA

Ing. Angel Valiente Martín
Atkins Garden
Apartado 414
Cienfuegos, CUBA

HAITI:

Ing. Joseph Bernard
Chef Section Fruits et Légumes
Damen-Port-au-Prince
HAITI, W.I.

Ing. Rosemond Jeudi
Horticulture Section
Damen-Port-au-Prince
HAITI, W. I.

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Chatelet des Fleurs
Box 632
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Mr. Schiller Nicholas
C.A.P. Dept. Agriculture
Damen
Port-au-Prince, HAITI

Mr. Leonard H. Otto
U.S.O.M. c/o American Embassy
Port-au-Prince, HAITI

HONDURAS:

Dr. B. H. Waite
United Fruit Company
La Lima, HONDURAS

Dr. Stephen S. White
U.S.O.M.
c/o American Embassy
Tegucigalpa, HONDURAS

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Dr. Lucas Calpouzos
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gmr

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Ing. Luis Marcana
Servicio Shell para el Agricultor
Cagua, Aragua, VENEZUELA

Dr. W. Poppenel

CARIBBEAN REGION
AMERICAN SOCIETY FOR HORTICULTURAL
SCIENCE

VIII
ANNUAL MEETING

May 29 to June 4, 1960

PUERTO RICO

HEADQUARTERS

University of Puerto Rico, Río Piedras

CHAIRMAN

Ing. Teodoro Soto
Box 607, Extension Service, College of Agriculture and
Mechanic Arts, University of Puerto Rico, Río Piedras

VICE-CHAIRMAN

Ing. Luis Berríos Ortiz
Box 2047, Depto. Economía Doméstica
Colegio de Pedagogía
University of Puerto Rico, Río Piedras

SECRETARY-TREASURER

Dr. E. H. Casseres
Oficina de Estudios Especiales, S. A. G.
Londres 40, México 6, D. F.

PROGRAM

SUNDAY - May 29

5:00 - 8:00 P. M. - Registration at Residencia Universitaria Isabel Andreu de Aguilar, Rfo Piedras. Special rates available for Delegates in University quarters will include housing and meals. A nominal fee of US\$2. and a transportation fee of US\$5. per person will be collected at time of A. S. H. S. registration.

MONDAY - May 30

8:00 - 8:45 A. M. - Registration continues.

FIRST SESSION

Chairman: Dr. Arturo Roque, Director of the State Experiment Station

9:00 - 9:15 A. M. - Official Opening of the Meetings
Hon. Luis Rivera Santo, Secretary of Agriculture

9:15 - 9:30 A. M. - Welcoming Address. Milton Cobin, Horticulturist

9:30 - 9:45 A. M. - Presentation of Delegates. Teodoro Soto, Chairman,
Caribbean Region

9:45 - 12:15 P. M. - TECHNICAL PAPERS

12:30- 2:00 P. M. - Lunch

2:00 - 5:00 P. M. - Visit to Penneck Gardens

6:00 - 7:30 P. M. - Dinner

8:00 -10:00 P. M. - Round Table, Discussion on photoperiodism, Dr. Pringer,
Dr. Tio, Dr. Candelas and others.

TUESDAY - May 31

SECOND SESSION

Chairman: Sr. Roberto Huyke, Director of the Agricultural
Extension Service

8:30 - 10:15 A. M.- TECHNICAL PAPERS

10:15 - 10:45 A. M.- Coffee break

10:45 - 12:15 P. M.- TECHNICAL PAPERS

12:30 - 2:00 P. M.- Lunch

2:00 - 5:00 P. M. - Visit to the Experiment Station, Food Technology Laboratory and Rum Pilot Plant.

6:00 - 8:00 P. M. - Dinner

8:00 -10:00 P. M. - Social Evening, Music, Typical dances

WEDNESDAY - June 1

FIELD TRIP

7:00 - 12:00 N. - Departure from Río Piedras and visits en route to hydroponic establishment, Pineapple Experimental Station, Canning Plant.

12:00 - 2:30 P. M. - Lunch and continuation of trip.

2:30 - 5:00 P. M. - Visit at Isabela Experiment Substation: Avocado, mango, guava, acerola, parchas (granadillas), vegetable and other projects.

5:00 - 6:30 P. M. - Trip from Isabela to Mayaguez

7:00 - 8:00 P. M. - Dinner

8:00 -10:00 P. M. - Social Evening or visit to La Parguera (optional), College of Agriculture.

THURSDAY - June 2

7:00 -11:00 A. M. - Visit at Federal Experiment Station, Mayaguez: Ornamentals, palms, exotic fruits, drug and spice plants, also tours to coffee regions and others.

11:00 - 12:30 P. M.- Trip from Mayaguez to Ponce.

12:30 - 2:00 P. M. - Lunch

2:00 - 2:30 P. M. - Visit to be announced.

2:30 - 3:30 P. M. - Tomato plantings, Sta. Isabel

3:30 - 5:00 P. M. - Visit to Central Aguirre (Sugar Mill)

5:00 - 7:00 P. M. - Return Trip to Río Piedras

7:00 - 8:00 P. M. - Dinner

FRIDAY - June 3

THIRD SESSION

Chairman: Dr. Harry E. Warmke, Plant Geneticist

8:30 -10:15 A. M. - TECHNICAL PAPERS

10:15 -10:45 A. M. - Coffee break

10:45 - 12:15 P. M. - TECHNICAL PAPERS

12:30 - 2:00 P. M. - Lunch

2:00 - 3:00 P. M. - Lecture "Nematodes in Relation to Tropical Agriculture"
by Dr. G. Steiner, world authority on nematodes.

3:00 - 4:00 P. M. - General Session. Questions and Answers.

7:00 - 9:00 P. M. - Closing Banquet and Business Meeting.

SATURDAY - June 4

Visit to Tropical Forest, El Yunque and Luquillo Beach or free morning for
personal matters (optional)

REGION DEL CARIBE
American Society for Horticultural Science
VIII CONGRESO ANUAL
Puerto Rico 1960

Véase la sección en inglés para detalle de las horas y lugares

DOMINGO - Mayo 29

5:00 P. M. - Inscripción de Delegados en La Residencia Universitaria
Isabel Andreu de Aguilar, Río Piedras.

LUNES - Mayo 30

9:00 - 12:15 P. M. - PRESENTACION DE TRABAJOS

2:00 - 5:00 P. M. - Visita a Jardines Pennock.

MARTES - Mayo 31

9:00 - 12:15 P. M. - PRESENTACION DE TRABAJOS.

2:00 - 5:00 P. M. - Visita a Estación Experimental.

8:00 - 10:00 P. M. - Reunión Social, Música, bailes típicos.

MIERCOLES - Junio 1ro

INICIO GIRA POR LA ISLA

7:00 - 12:00 M. - Salida de Río Piedras; Siembras hidropónicas; Piña

2:30 - 3:30 P. M. - Plantación de Tomates, Santa Isabel, Café, Lores,
Adjuntas y otros.

3:30 - 5:00 P. M. - Central Aguirre
Regreso a Río Piedras.

VIERNES - Junio 3

8:30 - 12:15 P. M. - PRESENTACION DE TRABAJOS

2:00 - 3:00 P. M. - Conferencia "Los Nematodos en la Agricultura Tropical,"
por Dr. G. Steiner, famoso nematólogo mundial.

7:00 - 9:00 P. M. - Baquete de Clausura y Sesión de Negocios.

SABADO - Junio 4

Visita al Bosque Tropical, El Yunque y Playa Luquillo o mañana libre para
gestiones personales (opcional).

ifo

OVER 100 DELEGATES HEAR FINE PAPERS AND ENJOY FULL WEEK
OF ACTIVITIES IN PUERTO RICO

For the first time the attendance at a Caribbean Region meeting went over the 100 mark, as 107 delegates registered in San Juan on May 29th for the VIII Annual Meeting held under the auspices of the University of Puerto Rico. Fifty five persons came from abroad and 52 were local delegates, reflecting the strong interest within Puerto Rico as well as in the nine countries represented: British Guiana, Trinidad, Venezuela and Colombia for the Southern part of our Region; Haiti and Cuba for the Islands; Costa Rica and Honduras for Central America; Mexico; and our staunch members from Florida, who with the delegates from Texas, Maryland and California, made up the U. S. group. We were delighted to have with us Dr. Walter Reuther, Chairman of the Horticulture Dept. at the Citrus Exp. Sta., Riverside, California who brought us a special message from the President of our parent society, Dr. H. A. Rollins.

The highly successful meeting was assiduously organized over the preceding ten months under the able leadership of Chairman TEODORO SOTO and of his tireless associate LUIS BERRIOS, Vice-Chairman, a team that worked like a smooth and powerful two-unit diesel engine. Ample cooperation was received from many organizations and persons and we shall try to get most of them aboard our train of recognition: For financial aid or special services, the Caribbean Region of the A. S. H. S. extends its appreciation to **The Shell Co. (Puerto Rico) Ltd.**, to **Ochoa Fertilizer Corp.**, to **Dow Chemical Co.**, to **Industrial Lechera de Puerto Rico.**, and to **Cooperativa de Cafeteros de Puerto Rico**. On our field trips we were graciously entertained by the owners of **Pennock Gardens**, by the **Rotary Club at Isabela** and by the **Lions Club at Cabo Rojo**; also by the manufacturers of **Ron Superior** at Mayagüez and **Don Q Rum** at Ponce; at the **Pinneapple Canning Plant** we were served fruit juices and were provided with a tour of the installations. Don **Rafael Pietri** allowed us to visit his Hydroponic Farm and explained its operation.

The University of Puerto Rico, with its friendly personnel, was our thoughtful host all the time. We thank the University for providing lodging and meals at special rates and for other facilities. We are especially indebted to the College of Agriculture and Mechanic Arts, to the Agricultural Experiment Station and to the Agricultural Extension Service for authorizing key personnel to prepare and carry out the program in an official capacity, including presentation of papers. The U. S. Federal Experiment Station at Mayagüez also cooperated enthusiastically by sending scientists who read fine reports and also treated us to conducted tours of their Station.

Among the many persons who were specially active, we appreciate the efforts of **Dr. George Samuels**, **Dr. Hassan Azzam**, **Mr. William Pennock**, **Mr. Roy Woodbury**, **Mr. Angel Rodriguez Cabrera**, **Mr. Francisco Aponte**, **Mr. Clery Salazar**, **Sra. Josefina Artieri**, **Mr. Salvador Alemany** and others who helped make the event a success.

At the business session, following the splendid candlelight closing banquet, it was decided to accept the invitation of the Florida group to meet in Miami in 1961 for a week before or after Easter, dates to be announced later. Acting on an invitation sent by Dr. Wilson Popenoe, Guatemala was favored for 1962. The following officers were elected for the 1960-1961 period: Mr. William Krome, Chairman, Box 596, Homestead, Fla.; Mr. Burt Colburn, First Vice Chairman, 330 N. E. 1st. Road, Homestead; Dr. Murray Gaskins, Second Vice-Chairman, USDA, 13601 Cutler Road, Miami 56; Dr. E. H. Casseres, re-elected Secretary-Treasurer, Londres 40, Mexico 6, D. F.

The active membership grew during the year from 98 to 158 paid-up members, according to the report of the Secretary-Treasurer. A sheet was passed out showing the geographical distribution of active members as well as of non-member friendly horticulturists and courtesy addresses that receive our Newsletters. Copies are available. A financial report was submitted showing a balance of US \$ 264.64 on May 15, which will be used for part of the cost of publication in Mexico of the 1960 Proceedings.

IMPORTANT ITEMS: Any active member who has not yet received his copy of the 1959 Proceedings should advise the Secretary-Treasurer. They were mailed in April.—Additions to the list of Libraries receiving our Proceedings may be recommended at this time.—Papers presented in Puerto Rico should be sent no later than July 10 to Dr. George Samuels, Agr. Exp. Sta., Rio Piedras for inclusion in the Proceedings.—**Plant Pathologists** in the Caribbean Area are cordially invited to continue meeting with us, as Horticulturists, at the next Miami meetings during which one or more sessions will be devoted to pathological papers. Should the Pathologists decide at that time to form their own Caribbean Region and meet separately, they shall have our best wishes and encouragement. However, it may still be possible and desirable to organize joint meetings in certain years and countries where facilities are ample. This is the majority decision reached during a special discussion held in San Juan.—Your Secretary will be absent from Mexico during July and August and regrets that sometimes it is not possible to attend to ASHS correspondence promptly.—The IV International Training Course in Horticulture will be offered on the subject of Tropical Fruit Production, in Puerto Rico July 31 to August 26 by the Inter-American Institute of Agricultural Sciences, O. A. S., in cooperation with the University of Puerto Rico.

CARIBBEAN REGION AFFAIRS

Membership in the Caribbean Region: Annual dues of US\$1.00, in addition to the dues of the American Society for Horticultural Science, payable in advance; or if not in advance, on the occasion of the annual meeting of the Caribbean Region.

Proceedings of the Caribbean Region: The member who has paid is \$1.00 dues and the registration fee of US\$2.00 at the annual meeting, will be entitled to receive, without further cost, a copy of the Proceedings of the Caribbean Region covering the meeting he attended.

Members of the Caribbean Region who have paid their dues to the parent society and to the Caribbean Region, but who do not attend an annual meeting and therefore do not pay the registration fee, will receive a copy of the Proceedings.

Non-members of the A.S.H.S. may purchase a copy of the ~~Caribbean~~ Proceedings by payment in advance of US\$1.50 per copy to the Secretary-Treasurer of the Caribbean Region. Non-members attending a regional meeting, upon paying their registration fee may deposit at that time only US\$1.00 ~~per~~ as pre-payment of the proceedings of that particular meeting.

Annual Meetings: The Caribbean Region was organized in 1951 and has been meeting annually since then (except for 1952 and 1954) in different countries, ^{as} listed in previous issues. In 1961 the meeting will take place in Florida and in 1962 in Guatemala. An air mail newsletter, issued about four times a year, carries advance news ~~XXXXXXXXXXXX~~ ^{about the program and} other information of regional interest.

Caribbean Region area: As defined by the Executive Committee of the A.S.H.S. in 1955 and extended in ~~1959~~ ¹⁹⁶⁰ the Caribbean Region includes

It is permissible for a member of the A.S.H.S. to belong to more than one regional group.
Information on membership: Information on membership in the American Society for Horticultural Science may be obtained by writing Dr. Roy E. Marshall, Department of Horticulture, Michigan State University, East Lansing, Michigan, U.S.A., or through officers in the Caribbean Region. Members are urged to submit research papers to the Editor of the parent society, Dr. J. R. Magness, U.S.D.A. Horticultural Station, Beltsville, Maryland, U.S.A.

Acknowledgement: The Caribbean Region extends again its ~~deep~~ appreciation to the Mexican Agricultural Program of the Rockefeller Foundation, to the Inter-American Institute of Agricultural Sciences for aid and encouragement; to the University of Puerto Rico for being our hosts at the 1960 meeting.

I call this our
"protection clause"

Suggestions re workers who might be asked to take part in a Symposium on Temperate Zone Fruits for the Tropical Highlands, either by (1) reading papers, or (2) sending papers to be published or (3) joining in discussions at the meeting of the Caribbean Region if a symposium is ~~to~~ held under the auspices of the latter.

MEXICO. Ernest Casseres to prepare a paper or select someone else to do it if he knows of anyone qualified. Ralph Richardson's advice would be desirable in this latter connection. Personally I do not know of anyone in Mexico who is fully qualified but Mexico is a big country. It should be remembered that only the area lying within the tropics comes within our scope.

GUATEMALA. Robert Ticho of FAO who did a fine job of surveying the possibilities should be asked for a paper, on which Jorge Benitez should cooperate. Mr Ticho could well include comments on temperate zone fruits in Israel - especially apples. He has been working in that country for a long time and would be able to provide some very interesting data.

EL SALVADOR. Don Francisco de Sola would undoubtedly be willing to present a paper, outlining the results of more than five years experimental work on the Volcan de Santa Ana, at elevations between 5000 and 6500 feet. This would take care of El Salvador adequately.

NICARAGUA. Not much to be said as yet, but I have a few data re apples which I think are interesting, and which I would include in a general discussion (for publication) of varieties and what they have done in a number of parts of tropical America.

COSTA RICA. I understand the "Point Four" program now includes some experimental work with temperate zone fruits. Whoever has charge of this project should be asked to tell us what they have seen and what they are doing.

COLOMBIA. The Instituto de Investigaciones Tecnológicas has employed the Institut Français de Recherches Fruitieres Outre Mer to put on foot a program of the sort we have in mind. The Director of this program will presumably be a French expert; the Director of the Instituto de Investigaciones Tecnológicas is don Oliverio Phillips M., Apartado Aereo 7031, Bogotá. He should send something, and perhaps we can get a paper from one of the men in the Ministerio de Economía who has worked in this field - I remember that Ben Morrison sent a lot of planting material to Colombia some 20 years ago.

ECUADOR. So many temperate zone fruits have been grown successfully in this country that a paper would be highly desirable. We are up against the problem, however, that the varietal nomenclature is a mess.

VENEZUELA. This country is inaugurating a program. Not much will have been done by the time we hold our symposium, but I have been over the field recently and can include pertinent data in the general paper I propose to prepare.

Caribbean Region

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

WM. H. KROME, Chairman
DR. E. H. CASSERES, Secretary-Treasurer

Homestead, Fla.
27 January, '61

B. E. COLBURN, 1st Vice-chairman
DR. MURRAY GASKINS, 2nd Vice-chairman

Dear Fellow ASHS Members:

Arrangements for the 1961 meeting in Miami are well along toward completion, and we are confident that both the program of research papers and the other activities which have been planned will prove interesting and informative to all who attend.

We are assured of a variety of fine papers from Florida, numerous Caribbean sources, Hawaii, and the USDA Plant Industry Station at Beltsville, Md., USA. In addition, Dr. Gaskins is arranging a symposium in which representatives of several national and international organizations will discuss the part their agencies play in agricultural research and development in the Caribbean area. Your committee believes that the information developed during this session will be highly interesting and useful to the delegates. In addition to discussing the overall functions of his agency, each representative will, where applicable, provide information about specific services performed for research workers, and will indicate procedures by which they are requested and obtained. Time will be provided for participants in the symposium to answer questions of general interest.

Your program committee has set 1 March 61 as the final date for accepting titles of papers. If you expect to take part in the program, as we hope you do, please notify us by filling out and mailing the enclosed form before that date. Of course we shall be glad to have late papers read if time permits, but it is unlikely that such time will be available.

For your convenience we shall try to have printed abstracts available when the meeting convenes. To make this possible authors are requested to send abstracts of papers to the committee not later than 10 March 61. If at all possible we request that abstracts and titles be sent together not later than March 1. Please use the enclosed form when reporting the title of your paper and furnish all information requested on the form. (Please note also the provision for your request for hotel reservations, whether or not you plan to present a paper, on the same form.)

A general program for the meeting is enclosed. You will note that half the time is devoted to a trip through the citrus growing section of the State. We're proud of our citrus industry, and if there is anything in horticulture that you can learn from Florida, this is it.

See you all March 19th!

Sincerely,

Wm. H. Krome, Chairman

Dr. M. H. Gaskins
ARS, USDA
13601 Cutler Road
Miami 56, Florida, USA

- I will attend the 1961 Meeting in Miami, March 19-25.
- I hope to be able to attend and will confirm later.
Please send me information on _____
- Please enter my reservation at _____ Hotel for
_____ persons, single occupancy; _____ persons, double occupancy.
- I plan to present a paper at the Meeting. Information follows:
Title _____
Author(s) _____
Time Required (maximum 20 minutes) _____
Projection equipment needed: 2" x 2" _____; 3 $\frac{1}{2}$ " x 4 $\frac{1}{4}$ " _____; None _____

FINAL DATE FOR TITLES: 1 MARCH 61

Name (print) _____
Postal Address _____

Caribbean Region

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

WM. H. KROME, Chairman
DR. E. H. CASSERES, Secretary-Treasurer

B. E. COLBURN, 1st Vice-chairman
DR. MURRAY GASKIN, 2nd Vice-chairman

JUNE 1, 1961

SUPPLEMENTARY NEWSLETTER

Post-Convention Report

Our IX annual meeting was held in Florida March 19-25, with headquarters at the Everglades Hotel in Miami. A total of 133 persons registered for the meeting, including representatives from 12 Caribbean countries, and 12 states and Washington D.C. in the U.S.

PAPER Dr. Gaskins arranged an excellent program of research papers, highlighted by a symposium in which representatives of most of the major organizations concerned with research and extension work in Caribbean agriculture discussed the activities of their agencies and the problems of the region. We were honored to have Dr. Roy Marshall, Secretary-Treasurer of our parent American Society for Horticultural Science, address the meeting Tuesday morning. It was necessary to hold two joint sessions in order to present all the papers.

PATHOLOGY GROUP A large number of pathologists attended the meeting, contributing many valuable papers to the program. Among these was an outstanding exposition on the nature of fungicidal action, by Dr. S. E. A. McCallan. Tuesday evening this group held a banquet and meeting to organize the Caribbean Section of the American Phytopathological Society. The following officers were elected: Frederick L. Wellman, President; Eddie Echandi, Vice-president; B. H. Waite, Secretary-Treasurer; Eugenio Schieber, Counselor. A. S. H. S. Caribbean extends to these our friends and colleagues its hearty congratulations and best wishes for success.

FIELD TRIPS Monday afternoon we visited the Fairchild Tropical Garden, a short distance south of Miami. Director Nixon Smiley put the facilities of this lovely botanic garden entirely at our disposal, and after touring the grounds, a short session for presentation of papers was held in the auditorium there. . . Our inspection of the diverse agriculture of the Miami area was completed the following Saturday with a bus tour of South Dade County.

The major field trip was a three-day tour of the citrus growing section of the State and the vegetable growing area around Lake Okeechobee. This was organized by Gerald Norman and Conway Price, to whom the Society acknowledges its deepest gratitude, but the number of individuals who extended hospitality to us at every point of the tour is legion, and we can only take this opportunity to thank them all, individually and collectively, for their kindness.

FINANCES In common with many other professional societies, we suffer a chronic deficit between our income from membership and registration fees and the expenses necessary for operating the Society and publishing the proceedings of our meetings. The deficit was somewhat larger this year because of higher costs in the U. S., but we have been fortunate in receiving generous assistance from numerous individuals and companies. In addition to those listed in the Newsletter of March 19, we wish to thank the following commercial enterprises for their financial help: - - - Wilson's Fantastic Gardens; Lou Super Nurseries; Florida East Coast Fertilizer Co.; S & M Farm Supply and Hector Agricultural Supply Co. These contributions defrayed a considerable portion of the expense of the meeting, and will help to publish the proceedings.

In connection with this latter, Dr. Gaskins reports that 163 pages have been prepared, without including the symposium. As our present budget will only allow for the publication of approximately 100 pages, we will either have to omit some of the papers -- which would pain us almost as much as it would the authors -- or scare up some more money. All suggestions --- and contributions -- toward solution of this problem will be gratefully received.

ANNUAL BANQUET The Annual banquet and business session were held Friday evening at the Everglades Hotel. It was decided to hold the 1962 meeting in Antigua, Guatemala; the date has been set for June 17-23. Invitations for future meetings were also received from Panama and the Lower Rio Grande Valley of Texas.

Officers elected for the 1961-62 period are: Chairman Ing. Mario Jalil, F. A. O. Horticulturist, Box 525, Guatemala, C. A.; Vice-Chairman, Mr. F. W. Owen Smith, Finca Panama, Guatemala; Secretary-Treasurer, Dr. Ernest H. Casseres, Londres 40, Mexico 6, D. F. (for the fifth consecutive year). The retiring officers salute the incoming group. Les veremos en Antigua en Junio, 1962!

The Florida Committee

The Caribbean Section extends to Dr. Wilson Popenoe
its deepest sympathy in the death of Mrs. Popenoe.

Office of the Secretary-Treasurer
London 40, O.E.E.
Mexico 6, D. F., Mexico.

NEWSLETTER

July, 1961
No 37

OUR TENTH YEAR STARTS OFF WITH A BOOM! Our 1961-1962 year marks the first decade of our ASHS Caribbean Region and it is a pleasure to report on recent events that reflect our growth, strength and future outlook. Many of you have now received the Supplementary Newsletter about the exceptionally fine Florida Meeting held this past March, or possibly you are one of the fortunate hundred plus persons who attended. The Executive Committee of ASHS was represented by Dr. Roy Marshall, who later wrote in the national newsletter about the meeting and our activities. Pathologists who have been meeting with us formed their new Caribbean Division of the APS. We received invitations to three countries for future meetings, and it was decided to confirm our previous plan made at another great meeting - the Puerto Rico 1960 event - to meet in Guatemala the week of June 17-23 in 1962. Bob Hunter, with an assist from Murray Gaskins and John Popenoe, is working on the printing of the 1961 Proceedings. It is now especially significant to report that a wide measure of support has been given the Caribbean Region by 168 new REGIONAL MEMBERS who have sent their \$2.00. This group is made up of Active ASHS members and other horticulturists in 23 countries making ours a truly inter-American Group. We are now setting up an especially printed 3 x 5 punched file card to keep a record of your addresses and regional membership fee. Our Caribbean Region is really underway and here is a real challenge to each one of us to make it the focal point for horticultural development and progress in our area!

POPENOE AND KROME HONORED The Inter-American Institute of Agricultural Sciences, OAS, will bestow the Medalla Agrícola Interamericana for 1961 on Wilson Popenoe, in recognition of his many contributions to the development of tropical agriculture. It is a fitting coincidence that the Caribbean Region will dedicate its X Annual Meeting in 1962 in Antigua, Guatemala, to Dr. Popenoe in appreciation of his loyal support, which with the help of many others like Bill Cowgill and Pierre Sylvain, made it possible for our Caribbean Region to live through the first years. - The Dade County Chamber of Commerce in Miami named our recent Chairman William H. Krome as MAN OF THE YEAR IN AGRICULTURE. To both of our illustrious members, CONGRATULATIONS!

NUESTRA ORGANIZACION REGIONAL COBRA AUJE Al iniciarse el año que marca nuestra primera década de vida, la Región del Caribe de la American Society for Horticultural Science ha recibido el apoyo de 168 nuevos socios regionales en 23 países de nuestra área. Nuestras reuniones anuales van cobrando cada vez más importancia y año con año más profesionales latino-americanos las van encontrando sumamente interesantes y útiles. Basta con preguntar a los que han asistido a las últimas reuniones en México, Costa Rica, Puerto Rico, Florida y otras anteriores. Ya se apresta un buen número a asistir a la Décima Reunión Anual en Antigua, Guatemala, del 17 al 23 de Junio de 1962. Tendremos mucho gusto en enviar información sobre esta activa sociedad profesional a los colegas que usted indique, si nos envía las direcciones completas. La Memoria de 1960 está disponible todavía.

IMPORTANT MEETINGS SLATED This coming August 27-30 our parent ASHS holds its annual meeting at Purdue University, Lafayette, Indiana. - November 8-23, 1961, Buenos Aires, are the dates and place for the Va. Reunión Latinoamericana de Fitotecnia (Fifth Latin American Meeting of Plant Scientists) carried out entirely in Spanish. This is fast becoming the Latin-American equivalent of the AIBS. A round table for potatoes and vegetables is included along with other ones for basic food crops. Inquire at Rivadavia 1439, Buenos Aires, Ing. A. Castronovo.

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

CARRIBBEAN REGION

ANTIGUA MEETING

Thursday, June 21 : Antigua to Finca Panama to Panajachel.

Departure 7.30 a.m. (travel time to Panama about three hours)

	<u>Altitude</u>	<u>Distance</u>
Antigua, Hotel Belen.	5000'	0. Km
Village of Santa Maria on slopes of Agua Volcano.	6550'	9.
Pineapple fields above Palin.	4900'	17.
Village of Palin (paved highway rejoined)	3800'	22.
Below Palin sugar and coffee may be seen.		
Town of Escuintla.	1400'	39.
Beyond Escuintla the Pacific Coast Plain begins		
Rio Achiguate, bridge over. Lowest point of trip.	700'	55.
Citrus planting.	1100'	61.
Village of Siquinala.	1300'	64.
Pantaleon sugar plantation and mill.	1500'	69.
Village of Santa Lucia Cotz. (outskirts)	1300'	72.
Alongside road pasture, sugar cane and some coffee.		
Small village of Cocales.	950'	96.
Rio Siguacan, bridge over. (Leave paved highway.) <i>right</i>	900'	104.
Pangola grass pastures.		
Dirt road through Finca Verapaz, Citronella grass plantings and essential oil factory. Later Finca Asunción, extensive pastures of Pangola grass.		
Later sugar cane and coffee at Finca San Francisco.		
Finca Panama.	2400'	120.

Departure 2:00 p.m. (travel time to Panajachel about 2½ hours)

Finca Panama.	2400'	0. Km
Through various coffee plantations and then down steep road.		
Finca Palmira. (Road fork)	1400'	9.
Up through various sugar cane and later coffee plantations.		
Finca San Jeronimo Miramar. (Department limit)	2700'	20.
Up through coffee fincas and wild country.		
Village of San Lucas Toliman (outskirts)	5050'	35.
Up very steep hill with view of Lake Atitlan.		
Top of hill.	5930'	38.
Village of Agua Escondida. (Very high coffee planting)	6100'	43.
Village of Godinez. (Return to paved highway)	6900'	49.
Continual drop with splendid views of Lake Atitlan.		
Panajachel.	5000'	65.

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

CARRIBEAN REGION

ANTIGUA MEETING

Thursday, June 21 : Finca Panama.

After arrival the following things will be seen in the order indicated:

1. Mature shade coffee plantation: Intensification and rejuvenation according to the Beaumont-Fukunaga system developed in Hawaii. Under this system the traditional shade coffee culture of Guatemala with from 450 to 550 plants per acre is converted to an almost shadeless planting of 1650 plants per acre. In addition a four year rotational pruning plan is put into effect. Production may well increase from the traditional 600 lbs green coffee per acre to 1800 lbs per acre or more.
2. Sun coffee plantation: A three year old planting that has always been in the sun. Planted on the contour in three rows at one by 1.5 yards and with three yards between rows. (2400 plants per acre.) This planting will be thinned out to one row of coffee every three yards (1600 plants per acre.)

There are the following different varieties in this planting:
Local borbon selection; Caturra; Borbon Puerto Rico; Freanger; Arabica Typica Puerto Rico; Blue Mountain; Borbon Brasileiro; Borbon Amarelo. Last crop these varieties yielded from 1760 lbs green coffee to 4300 lbs per acre. They appear to have more coffee this year.

Fertilization treatment of this area is:

Nitrogen, Urea 1.5 oz in five applications, May, June, August, September and November 3-4 oz in December.

Phosphorus, Triple superphosphate 110 lbs per acre per year in two applications May and December.

Potash. 90 lbs per acre applied at the end of the wet season.

Magnesium. One half pound per plant in two applications.

In addition foliar applications are being made of Urea, Magnesium, Zinc, Boron and Manganese.

3. Rubber tapping. Commercial exploitation of a plantation planted in 1944. Material is largely clonal.
4. Bamboo. From top to bottom the following species:
Bambusa multiplex (China); B.textilis(Southern China); B.tuldoides(Southern China); B.ventricosa (cultivates S.China)
Dendrocalamus strictus (India); B.tulda (India); Sinocalamus oldhami (Formosa); B.vulgaris (probably Madagascar) most commonly cultivated bamboo in Guatemala; Gigantochloa apus (Java); Gigantochloa verticillata (Java); Guadua angustifolia caña mans (Colombia); G.angustifolia caña brava (Colombia); Guadua aculea (Guatemala); Dendrocalamus asper (Java); Bambusa arundinacea (India). All planted from small plants in 1952.
5. Young budded Rubber. Planting from the years 1960, 1961 and 1962.
Clons GT-711 (Java); GV-31 (Goodyear Far East)
GV-17 (Goodyear Far East); GA-308 (Sumatra).

CARIBBEAN REGION - American Society for Horticultural Science
X ANNUAL MEETING, ANTIGUA, GUATEMALA 1962

TITLES OF SYMPOSIUM PAPERS AND DISCUSSIONS

Dr. Ernesto H. Casseres, Presiding

Monday June 18. Morning session at the Museo Colonial

- 10.30 AM Dr. Damon Boynton
"Climatic limitations for temperate zone
fruits in the tropics".
- 11.00 AM Dr. Wilson Popenoe and Sr. Jorge Benitez
"Temperate Zone Fruits in the Central
American Highlands".
- 11.30 AM Dr. Albert S. Muller
"Diseases Affecting Temperate Zone Fruit
Production in Central America"

Afternoon session at Posada Belem

- 2.00 PM Dr. Guy W. Adriance
"Selection and Production of Rootstocks".
- 2.30 PM Dr. Marshall Ritter
"Lime and fertilizer for apples, peaches
and cherries in Pennsylvania".

With comments on pruning, fertilizer and other
practices as limiting factors in temperate zone
fruit production in the tropical highlands.
- 3.10 - 3.30 PM Recess
- 3.30 PM Dr. Walter Reuther
"Some challenges presented by temperate
zone fruit culture in the tropics".
- 4.00 PM GENERAL DISCUSSION AND SUMMARY, by Dr. Walter Reuther

REPORT OF THE SECRETARY-TREASURER FOR THE YEAR
1961-1962

(Presented at the X Annual Meeting, Antigua, Guatemala, June 1962)

This report covers the 15 month period beginning with our Annual Meeting in Miami, in March of 1961, and ending May 31, 1962.

PROCEEDINGS OF THE FLORIDA MEETING: The efforts of Dr. J. Robert Hunter as Editor, combined with the help of Dr. Murray Gaskins and Dr. John Popenoe, who compiled the papers, resulted in a very fine Volume of Regional Proceedings. This was printed in Costa Rica and distribution was largely made from Mexico. Copies were sent by registered surface mail to all who paid their 1962 dues, but in some cases, they may reach their destination somewhat later than usual. We now have 11 standing orders from libraries and organizations who purchase our publication. The major world abstract journals include summaries or references to papers appearing in our Regional Proceedings. The price of each current volume has been increased to \$ 1.50 per copy, post paid.

MEMBERSHIP: The total number of Regional Members in May, 1962, as shown by our punched card record, was 209. This represent a loss of 5 members. Every month during the past year dues were received and a receipt was promptly mailed. As in the past, our office has assisted in securing new members for the parent society, or has forwarded annual dues of old members. The following table shows the geographical distribution of our paid-up Regional Members only.

Bahamas	1
Colombia	3
Costa Rica	14
El Salvador	4
Guatemala	11
Haiti	6
Honduras	8
Jamaica	2
Mexico	25

Panamá	6
Puerto Rico	13
Trinidad	1
Estados Unidos	79
Venezuela	7
Argentina	9
Brasil	1
Chile	1
Peru	11
Italia	1
Liberia	<u>1</u>
Total:	204

NEWSLETTER: Our 40th Newsletter was sent to 464 addresses. These include a number of institutions or individuals who receive it on a courtesy basis. As we go into our eleventh year, it is of interest that the average of 4 newsletters a year, first established by Dr. Wilson Popenoe, has been kept up. A new feature is the simultaneous printing (on the reverse of the page) of the same Newsletter in Spanish.

INCOME: As shown in the corresponding table, the sale of reprints to authors increased this past year and provided the welcome amount of US \$ 178.00.

Our Parent Society made a non-recurring grant in 1961 to our Caribbean Region of US \$ 250.00 to assist with the cost of publication of our regional proceedings, as an indication of interest in our activities.

In April, 1962 we were pleased to receive from the Florida Committee that sponsored our meeting the year before, the sum of US \$ 690.37, which was turned over to this office after payment of local expenses of the IX Annual Meeting.

The receipt of the two last amounts mentioned represent a substantial income for one year which should not be expected under ordinary circumstances. The Caribbean Region extends its deep appreciation for this important assistance.

FUTURE OUTLOOK: The successful establishment of our A.S.H.S. Caribbean Region as a vigorous branch of our Society is now a fact: The development of our organization has stimulated interest in horticultural crops at the research and educational levels not only in our area, but in all Tropical America. We now have the challenge to meet the greater opportunities opening up for Horticulture in our countries. Our Caribbean Region has been aided substantially by institutions and individuals at various times. However, as our membership grows and our horizon broadens, we must prepare to shoulder collectively an increasing amount of the financial cost of operation. A new Finance Committee has been working on ways and means to do this. As members, we shall be called upon to help in strengthening our resources, and we believe, judging from the expressions of confidence from many members, that as a group, we can and will assume a larger share of our financial obligation. We know there are sources willing to help the Caribbean Region. This assistance may be secured, but only in the measure that we are worthy of such an ever-widening support for a worthwhile endeavor. To this, we pledge our efforts.

ACKNOWLEDGMENT: To the Inter-American Institute of Agricultural Sciences of the O.A.S. and to the Mexican Agricultural Program of The Rockefeller Foundation, we extend again our deep appreciation for aid and encouragement.

CARIBBEAN REGION
American Society for Horticultural Science

Report for 1961-1962

Financial Statement to May 31, 1962.

INCOME

Balance on February 28, 1961	US \$	213.08
1962 Regional Membership dues		681.18
Sale of proceedings		311.45
Sale of reprints		178.00
Donations		708.42
Special grant from the Parent Society		250.00
Advance deposits for reservations at 1962 Meeting		1,260.00
		<hr/>
TOTAL INCOME:-		3,602.13

EXPENDITURES

Printing	US \$	173.12
Printing of Proceedings, Vol. 5, 1961		1,127.22
Telephone and cables		6.55
Miscellaneous		37.26
Transfer of reservation fund to Guatemala		1,200.00
Return of three reservations		60.00
		<hr/>
		2,604.15
Balance in Banco Nacional de México, S. A., Suursal Insurgentes, Account No. C-8040, on May 31, 1962.		997.98
		<hr/>
	US \$	3,602.13
	US \$	3,602.13

Respectfully submitted,

E. H. CASSENS
Secretary-Treasurer,
Caribbean Region, A.S.H.S.

REUNION TECNICA INTERNACIONAL DE HORTICULTURA
Zona Norte, Instituto Interamericano de Ciencias Agrícolas, OEA
Mayo 28 - Junio 23, 1962.

DIRECCION	PROFESORES	Y	CONFERENCISTAS
<u>Director</u>			
Dr. Ernesto H. Cásseres,	Horticultor Zona Norte, Instituto Interamericano de Ciencias Agrícolas, Londres 40 México 6.-		
<u>Jefe Administrativo</u>			
Agr. Leonel Siekavizza,	Especialista de Horticultura, Servicio de Extensión, Inst. Agropecuario Nacional, La Aurora, Guatemala.-		
<u>Profesores</u>			
Dr. Guy W. Adriance,	Prof. Emeritus, Hort. Section Agriculture and Mechanics, College of Texas, College Station Texas.-		
Dr. George Berg,	Entomólogo FAO/OIRSA, Apartado 891, San Salvador, El Salvador.		
Dr. Damon Boynton,	Dean, The Graduate School, Cornell University, Ithaca, New York.		
Dr. John H. Owen,	Chairman Dept. Of Plant Pathology and Plant Breeding, University of Georgia, Athens, Georgia.		
Dr. Walter Reuther,	Chairman, Dept. Horticultural Science, University of California, Riverside, Calif.		
Dr. C. Marshall Ritter,	Asso, Professor of Pomology, Pennsylvania State University, University Park, Pennsylvania.		
<u>Conferencista</u>			
Dr. Wilson Popenoe,	Antigua Guatemala.		

REUNION TECNICA INTERNACIONAL DE HORTICULTURA
Programa de Cooperación Técnica Proyecto 39, Zona Norte
Instituto Interamericano de Ciencias Agrícolas de la OEA,
Guatemala 1962

RELACION DE BECADOS Y PARTICIPANTES POR SU CUENTA

COSTA RICA

BECADO POR:

- 1) Ing. Agr. Willy Loria Martínez, Técnico, Proyecto Horticultura, Estación Exp. de la Fac. de Agronomía y Profesor de Horticultura, Universidad de Costa Rica. Dirección Postal: Est. Exp. Agríc. Fabio Baudrit M. San Josecito, Alajuela. PROYECTO 39
- 2) Ing. Agr. Luis Enrique Ugarte Soley, Agente de Extensión Agrícola de Zarcero, Ministerio de Agr. y Ganadería. Dirección Postal: Zarcero, Costa Rica. PROYECTO 39
- 3) Ing. Agr. Efraín Marín Blanco, Agente de Extensión Agrícola en Cartago, Ministerio de Agricultura y Ganadería. Dirección Postal: Cartago-Costa Rica. PROYECTO 39

EL SALVADOR

- 4) Ing. Daniel Amado Castillo, Técnico Enc. del Programa de Frutales, Direc. Gral. de Investigaciones Agronómicas, Santa Tecla. PROYECTO 39
- 5) Sr. José Arturo Castillo, Ayudante Técnico, Instituto Salvadoreño de Investigaciones del Café, Santa Tecla. El Salvador. PROYECTO 39
- 6) Ing. Louis A. Cattoni, Horticulture Advisor, AID Program, c/o U.S. Embassy, San Salvador. AID

GUATEMALA

- 7) P.A. Leonel Siekavizza, Especialista de Horticultura, Servicio de Extensión Agr. IAN, La Aurora. PROYECTO 39
- 8) P.A. Marciano Rivera, Servicio de Ext. Agrícola Quezaltenango, IAN. Apartado Postal N°7.- PROYECTO 39
- 9) P.A. Marco Alarcón Ortiz, Técnico en Frutales, Instituto Agropecuario Nacional, La Aurora.- PROYECTO 39
- 10) Agr. Juan José Echeverría, Servicio Ext. Instituto Agropecuario Nacional, Huehuetenango. PROYECTO 39
- 11) Agr. Luis Guillermo Morales, Dirección de Agricultura, Div. Cultivos Básicos, Guatemala.- PROYECTO 39

REUNION TECNICA INTERNACIONAL DE HORTICULTURA
Programa de Cooperación Técnica Proyecto 39, Zona Norte
Instituto Interamericano de Ciencias Agrícolas de la OEA.
Guatemala 1962

- Sigue Guatemala) BECADO POR:
- 12) P.A. Oscar A. Pira, Dirección Postal: PROYECTO 39
SFLI, Instituto Agropecuario Nacional
La Aurora.
- 13) Sr. Jorge Benítez, Div. de Investigación, Insti- PROYECTO 39
tuto Agropecuario Nacional, La Aurora.

HAITI

- 14) Ing. Agr. Roland Latourtue, Sección de Investi- PROYECTO 39
gación, Cooperative Agric. Program, Port-an-Prince.
- 15) Agr. In - Raoul Dossous, Jefe Sección Legumbres PROYECTO 39
y Frutas, Serv. Ext. Agr. Secretaría de Estado
de Agric. Port-an-Prince.

HONDURAS

- 16) Agr. Alfonso Torres Erazo, Instructor de Horti- PROYECTO 39
cultura, Escuela Agrícola Panamericana El Zamo-
rano. Dirección Postal: Apartado 93 - Tegucigal-
pa, D.C. Honduras.

MEXICO

- 17) Dr. Eduardo Alvarez Luna, Jefe Depto. de Horti- PROYECTO 39
cultura, Instituto Nac. Investigaciones Agr.
Londres 40, México 6, D.F., México.-
- 18) Ing. Victor Nieto Hatem, Departamento de Horti- PROYECTO 39
cultura, Instituto Nac. Investigaciones Agr.
México D.F. Dirección Postal: Campo Agrícola
Experimental, Gral. Terán, N.I. México.

PANAMA

- 19) Ing. Roger A. Sánchez Berroa, Técnico Depto. Hor- PROYECTO 39
ticultura, Servicio Interamericano Cooperativo de
Panamá. Apartado 5202 (SICAP), Panamá, R. de P.

PUERTO RICO

- 20) Ing. Clery G. Salazar, Catedrático y Director, PROYECTO 39
Depto. de Horticultura, Univ. de Puerto Rico,
Mayagüez. Dirección Postal: Colegio de Agricul-
tura, Mayagüez, Puerto Rico.
- 21) Ing. George C. Jackson, Horticultor Sub-Estación PROYECTO 39
de Frutales, Apartado 629, Fortuna, Puerto Rico.

REUNION TECNICA INTERNACIONAL DE HORTICULTURA
Programa de Cooperación Técnica Proyecto 39, Zona Norte
Instituto Interamericano de Ciencias Agrícolas de la OEA.
Guatemala 1962

BECADO POR:

HAWAII

22) Dr. Richard A. Hamilton, Horticulturist.
Horticulture Dept. University of Hawaii
Honolulu 14, Hawaii.

PROYECTO 39

REGION DEL CARIBE

American Society for Horticultural Science

Date: 17 June 1962REGISTRATION AND PAYMENT OF EXPENSES

1. Name Wilson Popenoe
2. Institution or Agency which you represent _____
3. Address 1^a Av Sur, Antigua, Guatemala
4. _____ Regional Member; Active A.S.H.S.; _____ neither.
5. Hotel where registered (or local address): home (above)
6. Registration fee (\$2.00) US\$ 2.00
7. HOTEL - Aurora, Plan I, \$4.20/day
- Belem, Plan II, \$7.20/day pay to Hotel
(through Thursday 21st. lunch).
8. Transportation on Field Trips (\$12.00)
9. Hotel on Field Trip 2 days (\$20.00)
(through Saturday lunch)
10. Annual Banquet - Tuesday 19th. (\$3.00)
11. 1962 Regional Dues \$2.00 (if not paid before)
12. Your 10th. Anniversary ASHS Caribbean Region
Certificate (optional) \$1.00 \$1.00
- Subtotal: US\$ 3.00
- Less advance deposit, receipt No. 20.-

TOTAL PAID AT REGISTRATION

US\$

17.-Total returned at registration

- NOTE: 1) This covers expenses up to and including lunch Saturday 23; also transportation ending in Antigua or Guatemala City on the 23rd., or on the 24th. if you go to Chichicastenango.
- 2) Persons going to Chichicastenango: 23rd. to 24th. must pay for hotel and meals directly.
- 3) MAKE RETURN RESERVATIONS NOW AT THE DESK OF CLARK'S TOURS. PASSPORTS AND TICKETS WILL BE RETURNED WEDNESDAY PM.

X ANNUAL MEETING A.S.H.S. CARIBBEAN REGION

HORTICULTURAL PAPERS

1:30 p.m., Tuesday, 19 June 1962

Posada Belem

PROGRAM

Mario Jalil, Presiding:

1. POPENOE, John.
Tropical Fruit Varieties in Venezuela and Florida and
Exchange of Clonal materials.
(Florida)
2. KROCHMAL, A. and FREDERICKSEN, A.L.
Papaya Studies in the American Virgin Islands.
(U.S. Virgin Islands)
3. GRIERSON, W.
Optimum Utilization of Temperate Zone Fruits Grown in the
Tropical Highlands.
(Florida)
4. COLMENARES, S.E.
Pruebas de Variedades de Algunos Cultivos Hortícolas en los
Valles de Aragua.
(Venezuela)
5. SCHROEDER, C.A.
High Temperature Tolerance of Fruit Tissue.
(California)
6. POPENOE, W. and BENITEZ, J.
Behavior of Temperate Zone Fruit Varieties in Central
America.
(Guatemala)
7. SALGADO, T.A.
Producción de Piña en Honduras.
(Honduras)
8. JOLICOEUR, J.H.
The Rooting of Guava (Psidium Guajava L.) Cuttings treated
with Hormones under Mist in Haiti.
(Haiti)

8:30 a.m., Wednesday, 20 June 1962

PROGRAM

Owen Smith, Presiding

9. PENNOCK, W.
Hot Water Treatment of Mango Fruits to Reduce Anthracnose
Decay.
(Puerto Rico)
10. HERNANDEZ BRAVO, G.
Factores que Afectan la Germinación de Semillas de
Especies Hortícolas.
(México)
11. SHARPE, R.
Breeding Deciduous Fruits for Mild Winter Climates.
(Florida)
12. HAMILTON, R.A. -- MURASHIGE, T.- KUNISAKI, J.
Growth Retardation in Macadamia from Interplanting
with Papaya.
(Hawaii)
13. CONTRERAS GUILLEN, J.
Pruebas de Diferentes Dosis de Fertilizantes en
Jitomate y Chile.
(México)
14. MINER, J.T.
Top-Working Mango Trees in Florida.
(Florida)
15. ALVAREZ LUNA, E.
Evaluación de la Calidad y Productibilidad de Líneas de
Zanahoria Nantes de Diferente Procedencia.
(México)

1:30 p.m., Wednesday, 20 June 1962

PROGRAM

Enrique Fernández, Presiding

16. SAMUELS, G. and GANDIA, H.
Influence of Various Phosphate Fertilizers on the Yields
of Red Spanish Pineapples in Puerto Rico
(Puerto Rico)
17. COLBURN, B. and GOLDWEHER, S.
Preparation of Oolitic Soil for Agricultural Use.
(Florida)
18. COLMENARES, S.E.
El Uso de Herbicidas en Cebolla y Zanahoria en Venezuela.
(Venezuela)
19. LORIA, W. y GONZALEZ W.
Influencia del Tamaño y Posición de la Estaca de Yuca en
el Brotamiento, Producción de Yuca y Follaje.
(Costa Rica)
20. GASKINS, M.H. and WINTERS, H.F.
Cold Hardiness of Avocado and its Association with Leaf
Size and Other Phenotypic Characters.
(Florida)
21. FLORES, R.I., LACAYO, R.O. and DONALD, V.J.
Comportamiento de la Fructificación de 10 Variedades de
Tomate de Hábito Determinado e Indeterminado.
(México)

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

Office of the Secretary - Treasurer, Londres 40, O.E.A.
México 6, D. F., México.15 April, 1963.
No. 44

Newsletter

Carta Informativa

Newsletter

ELEVENTH ANNUAL MEETING - MEXICO, JUNE 23-30, 1963.

Headquarters: Hotel Plaza Vista Hermosa, Insurgentes y Sullivan 1.

We are pleased to announce the selection of the fine and convenient Hotel Plaza Vista Hermosa, located at the intersection of Avenida Reforma and Insurgentes, as our Headquarters for the forthcoming June meeting. Registration on Sunday 23rd., and most of the meetings will take place at the Hotel Plaza. The Annual Banquet will be held on Wednesday at Hotel Vasco de Quiroga nearby, with a special program. While the Hotel Plaza can accommodate all the persons who will attend our meeting, the two bus tours will be limited to 40 persons each. You are asked to fill out the enclosed form that refers to hotel reservations and choice of bus tour. The hotel facilities at the various locations visited must be confirmed in advance. In case you are not yet sure, please mark the box indicating "possible attendance" which will at least put you on a waiting list, but this will not necessarily guarantee your space for the field trip. We must remind those whom it may concern, that due to the high altitude of Mexico City, 6860 feet (2240 meters), persons with heart trouble, or those who may develop such symptoms, should consult their doctor before deciding to attend. A final program with details will be sent in May.

CALL FOR PAPERS. Titles for papers or reprints may be submitted on the enclosed form. Your Chairman requests that this information be sent to him by June 1st. and in case you do not have a presentation to make, it will be appreciated if you would help in securing the participation of other horticulturists who may have an interesting topic.

AVERAGE COST Keeping in mind your comfort and the basic expenses common to all who will attend, we estimate a total average cost of approximately US \$ 96.00 per person for the 8 days between Saturday afternoon June 22, and Sunday afternoon June 30th. This amount includes registration fee, hotel room and meals and bus fare on the tour; about \$ 35.00 will be payable upon registration. The amount given does not include transportation to Mexico or taxi fares. While in Mexico City you will pay your own bill for hotel room and meals. The special rates per day at the Hotel Plaza are as follows: US \$ 4.80 single room; US 3.40 per person in a double room; US \$ 3.20 per person in a triple room; these rates include a complete breakfast. There are only a few single rooms available.

- o - o - o -

MARCH OF THE PLASTIC PLANTS Artificial ornamental plants and flowers are appearing in increasing number of hotels, restaurants and even in homes in many cities of the Caribbean area. Some of them are very good imitations and almost defy detection. The battle for a place under the sun, or rather under the shade, is being won by the manufacturers of those lifeless and often gaudy plants. We now have frozen fruit concentrates, quick frozen vegetables or fresh produce in consumer units, and large amounts of coffee are sold in the instant soluble form. These are all conveniences which the consumer is willing to pay for. Growers of ornamentals too often sell their plants at the nursery door and that is the end of their interest. When will the ornamental industry offer a reasonably priced service to clients of "replacement parts" and "maintenance"? Exploration and testing of new plants may well result in better ornamentals with which to regain the public favor.

Abril 15, 1963.
No. 44

XI CONGRESO ANUAL - MEXICO, JUNIO 23-30, 1963

Sede: Hotel Plaza Vista Hermosa, Insurgentes y Sullivan 1

El Hotel Plaza Vista Hermosa, cómodo y de primera clase, situado en el cruce de las avenidas Reforma e Insurgentes, será el centro de actividades de nuestro próximo congreso. Este hotel tiene las facilidades necesarias y nos han extendido tarifas especiales, todo lo cual contribuirá al éxito de nuestro máximo evento anual. La inscripción será el domingo 23 en el Hotel Plaza, donde se celebrarán la mayoría de las sesiones técnicas. El banquete anual tendrá lugar el miércoles en el Hotel Vasco de Quiroga, preparándose un programa especial para esa celebración. El Hotel Plaza tiene suficiente espacio para todas las personas que asistirán al congreso, pero cada una de las jiras está limitada a 40 personas cada una. Solicitamos atentamente que los formularios que se adjuntan sean llenados y devueltos a la secretaría en la primera oportunidad. Necesitamos confirmar las reservaciones de hotel en los varios sitios que se visitarán. Debemos recordar a quienes pueda interesar, que debido a la altitud de la Ciudad de México, 2240 metros (6860 pies), las personas con afecciones cardíacas y aquéllas que pudieran ser susceptibles a tal afección, debieran consultar con su médico antes de decidirse a asistir. En Mayo se enviará el programa detallado final.

TRABAJOS E INFORMES Adjuntamos una forma para enviar con anticipación información necesaria sobre los trabajos e informes que se deseen presentar. El Presidente Regional solicita que esta fórmula se envíe para recibir la antes del 10 de Junio, y a la vez recomienda que si el socio regional quien recibe la fórmula no piensa utilizarla, ayude en la consecución de otros horticultores que pudieran colaborar en el programa.

COSTO PROMEDIO Los cálculos sobre el costo promedio total dan una cifra de US \$ 96.00 por persona para los 8 días comprendidos entre el sábado 22 de Junio en la tarde y el domingo 30 de Junio en la tarde. Este cálculo ha sido hecho tomando en cuenta los gastos básicos que cubren todos los asistentes al congreso, a saber: la cuota de inscripción, el costo de las habitaciones, la alimentación y el pasaje en autobús durante la jira. Del total indicado aproximadamente US \$ 35.00 serán pagados al momento de la inscripción para cubrir ciertos gastos, especialmente de la jira, contratados de antemano. En la Ciudad de México las cuentas del hotel por habitación y comidas serán pagadas personalmente. Las tarifas especiales en el Hotel Plaza serán como sigue: US \$ 4.80 cuarto sencillo; US \$ 3.40 por persona en cuarto doble; US \$ 3.20 por persona en cuarto triple. Estos precios son por día e incluyen un desayuno completo. Se dispone solo de pocos cuartos sencillos.

- o - o - o -

EL AVANCE DE LAS PLANTAS PLASTICAS En las ciudades de la Región del Caribe han aparecido a través de los últimos años más y más plantas y flores artificiales y aparentemente los manufactureros están ganando terreno a los productores de plantas ornamentales. Así como hay jugos concentrados, hortalizas congeladas y café soluble - los cuales son productos transformados para ofrecer una conveniencia - no es tiempo que los horticultores dedicados a la venta de ornamentales se interesen por ofrecer la conveniencia del cuidado de plantas que venden o alquilan? Un servicio de "mantenimiento", lo mismo que de "re-puesto" interesaría a muchos que quieren tener plantas bonitas. También podrían encontrarse mejores especies mediante la exploración y prueba de nuevas plantas, - con lo que se ayudaría a recobrar algo de la popularidad que se está perdiendo.

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE
XI ANNUAL MEETING, CARIBBEAN REGION.

México, D.F. June 23-29, 1963.

NOTICE OF PAPER OR REPORT TO BE PRESENTED.

DEADLINE: June 1st, 1963.

Please send by airmail to:

Dr. Eduardo Alvarez Luna;
Chairman.
Caribbean Region, A.S.H.S.
Londres No. 40, 3er. piso.
México 6, D.F.

I intend to present a paper:

Title _____

Author(s) _____

Time required _____ (15 minutes average; write if more needed)

Projection equipment needed: 8mm. Movie; 16mm. Movie;

2"X2" slides.

PLEASE NOTE: Authors should submit an abstract no longer than one page 8 X 11 -
double spaced.

NAME: _____

ADDRESS _____

COUNTRY _____

SOCIEDAD AMERICANA DE CIENCIAS HORTICOLAS
XI CONGRESO ANUAL DE LA REGION DEL CARIBE.

México, D. F. del 23 al 29 de Junio de 1963.

AVISO DE PRESENTACION DE TRABAJO O INFORME
FECHA LIMITE: 1^o de Junio de 1963.

Favor de enviar por Correo Aéreo a: Dr. Eduardo Alvarez Luna.
Región del Caribe A.S.H.S.
Londres 40, 3er. Piso
México 6, D. F.

Presentaré un trabajo.-

Título _____

Autor(es) _____

Tiempo _____ (Promedio de 15 minutos. Escriba si necesita
más).

Proyecciones Cine 8mm. Cine 16mm. Transparencia 2"X2"

SIRVASE TOMAR NOTA.- Los autores deberán enviar un compendio de su --
trabajo, que no exceda de una cuartilla a doble espacio y a más tar--
dar en la fecha marcada.

NOMBRE _____

DIRECCION _____

PAIS _____

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE
XI ANNUAL MEETING. CARIBBEAN REGION

México, D.F. June 23 -29, 1963.

NOTICE OF ATTENDANCE, REQUEST FOR RESERVATION AND -
CHOICE OF FIELD TRIP.

Please send by Air Mail to:

Dr. E. H. Casseres, Treasurer.
Caribbean Region, A.S.H.S.
Londres 40, México 6, D.F.

DEADLINE: June 1st, 1963.

A.- ATTENDANCE (Please check one)

I will attend. No. Of persons _____

I will possibly attend, but will advise later.

I will not attend.

B.- RESERVATIONS (Please check one)

Please make reservations at Vista Hermosa Hotel.

Single Room. Double Room. Triple Room.

I will make my own arrangements.

C.- CHOICE OF FIELD TRIP.

1.- Celaya, Irapuato, Pátzcuaro, Morelia. No. of persons _____

2.- Puebla, Veracruz, Jalapa. No. of persons _____

NAME : _____

ADDRESS: _____

COUNTRY: _____

ADVANCE DEPOSIT NOT REQUIRED.

SOCIEDAD AMERICANA DE CIENCIAS HORTICOLAS
XI CONGRESO ANUAL DE LA REGION DEL CARIBE

México, D.F. del 23 al 29 de junio de 1963.

AVISO SOBRE ASISTENCIA, SOLICITUD DE RESERVACION Y SELECCION
DE VIAJE DE ESTUDIO.

Favor de enviar por Correo Aéreo a:

Dr. E. H. Casseres. Tesorero.
Región del Caribe, A.S.H.S.
Londres No. 40, 3er. piso.
México 6, D.F.

FECHA LIMITE: 1o. de junio de 1963.

A. - ASISTENCIA. (Marque con una cruz).

Si asistiré. No. de Personas _____

Probablemente asistiré. Confirmaré más tarde.

No asistiré.

B. - RESERVACIONES. (Marque con una cruz).

Favor de hacer reservaciones en el Hotel Vista Hermosa.

Cuarto Sencillo. Cuarto Doble. Cuarto Triple.

Haré los arreglos de hospedaje por mi cuenta.

C. - SELECCION DE VIAJE DE ESTUDIO (Marque con una cruz).

1. - Celaya, Irapuato, Pátzcuaro, Morelia. No. de Personas _____

2. - Puebla, Veracruz, Jalapa. No. de Personas _____

NOMBRE: _____

DIRECCION: _____

PAIS: _____

NO SE REQUIERE HACER DEPOSITO POR ADELANTADO.

XI CONGRESO ANUAL

PROGRAMA GENERAL



REGION DEL CARIBE

SOCIEDAD AMERICANA
DE
CIENCIAS HORTICOLAS

23 al 30 de Junio de 1963

MEXICO, D. F.

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

Office of the Secretary-Treasurer, Londres 40, O.E.A.
México 6, D. F., México.25 May, 1963
No. 45

Newsletter

Carta Informativa

Newsletter

LAST NEWS BEFORE MEXICO MEETING - JUNE 23-30, 1963.

GENERAL PROGRAM: Enclosed is the General Program with the schedule. The publication of the Program is a courtesy of the Productora Nacional de Semillas, which is highly appreciated.... ATTENDANCE: We have already received notice of attendance from members in 6 countries. It is expected that the total attendance will be high.... PAPERS: Please send the Chairman your notice of intention of presentation of paper or report as soon as possible.... FIELD TRIPS: The field trip to Celaya, Irapuato, Pátzcuaro and Morelia (El Bajío) will be through a temperate zone where vegetable growing and processing will be seen. The trip to Puebla; Veracruz and Jalapa will be to the tropical lowlands, where fruits will be the main crop, but on both field trips both kinds of crops will be seen to some extent. Note that each trip will conclude about 3 PM on Sunday June 30. Make your return plans accordingly, but if it is essential, you can arrange to arrive back in Mexico City Sunday morning. It is estimated that both busses may be filled before the meeting starts.... CLOTHING: The weather will be cool to mild and it may be raining in the afternoons, so, bring a raincoat, a sweater and a hat for the rain.... ARRIVAL: We suggest you plan to arrive in Mexico City Saturday June 22, so that you can adjust to altitude and rest up a bit; you could then take in an interesting event or two on your own, for instance the National Folklore Ballet at Palace of Fine Arts, at 9:30 AM or 5 PM Sunday.... GUATEMALA PROCEEDINGS: Editor Bob Hunter sent us an advance copy of the 1962 Proceedings and it is expected that they will be mailed within the next 2 or 3 weeks.- A printed directory giving the names and addresses of the Caribbean Region members in 1962 and 1963 (up to April 30) will be included as a supplement of your copy of the Proceedings.... 1964 MEETING: A delegation from Venezuela plans to come to Mexico and intends to follow up the preliminary invitation extended last year to meet in their country in 1964. Since January is indicated as the best time of year, we would appreciate hearing from members about the appropriateness of the time.... ABOUT YOUR OFFICERS: Chairman Alvarez was named in January Sub-Director of the Productora Nacional de Semillas and continues connected with horticultural matters. Vice-Chairman Nieto became Head of the Horticulture Dept. of the Instituto Nac. Investigaciones Agr. in March and moved from the citrus station near Monterrey to Mexico City. Secretary-Treasurer Casseres travelled to Central America and Peru in May and after our meeting in Mexico he will return to Peru where he will be Director of an International Course in Vegetable Production, offered by the Inter Am. Institute of Agr. Sciences, O.A.S.

WHY DO WE MEET? A dozen good reasons would readily be found to answer this question. But we wonder if one basic reason, given by two Regional Members recently, would be given first consideration in our own thinking. It is likely that each one of us would start off by claiming the fact of acquiring new knowledge, or the stimulus of seeing another country, or the cooperative relationships established. Yet all this should not be an end in itself, for the knowledge, the stimulation and the cooperation, in the final analysis, is meant to reach the farmer, the grower of horticultural crops himself, and that is the basic reason! Let's see to it that our Meetings leave some immediate good effect in each country, and one way is to meet and talk to some growers about what we're thinking and what they are wondering about in matters horticultural.

Mayo 25, 1963.
No. 45

ULTIMAS NOTICIAS ANTES DE LA REUNION EN MEXICO - JUNIO 23-30, 1963.

PROGRAMA GENERAL: Se anexa el Programa General de la Reunión, con los itinerarios. La publicación del Programa ha sido una cortesía de la Productora Nacional de Semillas, lo cual es altamente apreciado.... ASISTENCIA: Se han recibido ya avisos de asistencia de miembros de 6 países.... TRABAJOS E INFORMES: Le duplicamos enviar al Presidente Regional, tan pronto le sea posible, el aviso sobre sus deseos de presentar un trabajo o informe.... VIAJES DE ESTUDIO: El viaje a Celaya, Irapuato, Pátzcuaro y Morelia (El Bajío), se hará por una región de clima templado en donde se verá producción y beneficio industrial de hortalizas y de algunos frutales. El viaje a Puebla, Veracruz y Jalapa se hará a la región tropical costera, en donde abundan los cultivos de frutales tropicales. En ambos viajes se observarán frutales y hortalizas. Se planea que los viajes terminen cerca de las 3 PM el domingo 30 de Junio. Haga sus planes para su viaje de regreso, de acuerdo al itinerario del viaje; si es necesario, usted puede hacer arreglos para estar de regreso en la Ciudad de México el domingo por la mañana... ROPA: La temperatura es fresca a ligeramente caliente y puede llover por las tardes, así que le sugerimos traer un impermeable, un sweater y un sombrero para la lluvia... LLEGADA: Le recomendamos que planee llegar a la Ciudad de México el sábado 22 de Junio, para que pueda usted adaptarse a la altura de la ciudad y para que descansen un poco. Así podrá también hacer algunas visitas por su cuenta, como por ejemplo asistir al Ballet Folklórico Nacional que se presenta en el Palacio de las Bellas Artes, el domingo a las 9:30 AM y a las 5 PM.... MEMORIA DE GUATEMALA: Bob Hunter, editor de la Memoria de 1962, nos ha enviado una primera copia y esperamos que se enviará por correo a todos los socios dentro de 2 ó 3 semanas. Va incluido, como suplemento de la Memoria, un directorio de los miembros de la Región del Caribe durante 1962 y 1963 (hasta Abril 30).... REUNION DE 1964: Una delegación de Venezuela asistirá a la Reunión en México y tiene la intención de reiterar la invitación hecha en forma preliminar, durante la Reunión del año pasado, para reunirnos en Venezuela en 1964. Dado que nos han indicado que el mes de Enero es el más favorable para la reunión en Venezuela, agradeceremos a todos los miembros que nos envíen sus opiniones sobre lo adecuado de la fecha propuesta.... SOBRE LOS DIRECTIVOS: El Presidente, Dr. Eduardo Alvarez Luna, fue promovido en Enero de este año a Sub-Director de la Productora Nacional de Semillas, pero continúa conectado a la horticultura ya que fue nombrado Asesor Técnico del Depto. de Horticultura del Instituto Nal. de Investigaciones Agrícolas. El Vice-Presidente, Ing. Víctor Nieto Hatem, ha substituido al Dr. Alvarez en la jefatura del Depto. de Horticultura del I.N.I.A. El Dr. Ernesto H. Cásseres, Secretario-Tesorero, viajó a Centroamérica y a Perú durante el mes de Mayo y después de nuestra Reunión en Junio regresará a Perú, en donde será Director de un Curso Internacional sobre Producción de Hortalizas, el cual será patrocinado por el Instituto Interamericano de Ciencias Agrícolas de la O.E.A.

POR QUE HACEMOS CONGRESOS? Si nos ponemos a buscar razones, una buena lista se podría hacer sin dificultad. Dos Socios Regionales dieron recientemente, en forma independiente, una razón básica que pareciera escapar a la mayoría. Los nuevos conocimientos, el estímulo de conocer el desarrollo de otros países o las relaciones cooperativas que se establecen para dar mejor orientación, son buenas razones para celebrar y participar en congresos técnicos, pero no debieran ser finalidades en sí. Los nuevos datos, el estímulo y la nueva orientación deben llegar, aunque sea eventualmente, al propio agricultor y productor hortícola - y ésta es la razón básica. Intentemos producir algún beneficio más inmediato con nuestros congresos. Una manera de empezar puede ser mediante el conocimiento personal de algunos productores y conversar con ellos, tanto en el país sede como en nuestra tierra, sobre lo que estamos pensando y lo que a ellos les preocupa en asuntos de horticultura.

XI CONGRESO ANUAL
XI ANNUAL MEETING

REGION DEL CARIBE
CARIBBEAN REGION

American Society for Horticultural Science
MEXICO - Junio 23-30, 1963.

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LIST OF PARTICIPANTS

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Secretaría de Agricultura
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Facultad de Agronomía
Maracay

Add

Alfonso Torres
EAP

Carla Cuevas } Ma-
Adrián González } ragoza

Two other Mexican
participants

REPORT OF THE SECRETARY-TREASURER FOR THE YEAR 1962-1963

Presented at the XI Annual Meeting, Mexico, June 26, 1963.

It is a pleasure to report to you on our successful eleventh year of activities. Two outstanding facts are the growth in number of our Regional Members and the strengthening of our financial position.

REGIONAL MEMBERSHIP: In 1960 we reported a total of 159 regional members. In 1962 the number was 204 and in 1963 the total number of regional members reached a total of 315. This figure includes the 1962 regional members plus new members who have paid their 1963 dues up to April 30, 1963. We hope that new additions to our membership in 1963 will more than offset the number of persons who may not renew their 1962 membership. The names and addresses of the regional members to April 30, 1963 were published as a bulletin in May by the office of the Secretary and this is being distributed as a supplement to the 1962 regional proceedings.

1962 Regional Proceedings: Dr. J. Robert Hunter undertook the task of Editor for the Proceedings of our 1962 Meeting in Guatemala and succeeded in publishing in Costa Rica another fine volume which this time carries, as frontispiece, the photograph of Dr. Wilson Popenoe, our First Honorary Member. The Proceedings are being mailed for the most part, from the office of your Secretary-Treasurer in Mexico.

Financial Statement: The Statement corresponding to this report shows the financial situation of your Caribbean Region as of May 31, 1963. During the previous year we handled over US \$ 3,500.00 due to the fact we requested an advance deposit from those who attended the Meeting in Guatemala. The total amount handled this year was consequently lower, but we have an increase of US \$ 373.82 at the end of our year over the 1962 balance.

Sponsoring Members: The increase of funds on hand at the close of our fiscal year has been due mainly to the gratifying response accorded to the establishment of the Sponsoring Membership category, as recommended by the Finance Committee and approved by the membership in June, 1962. The eleven Sponsoring Members for the period 1962-1963 contributed each US \$ 25.00, or a total of US \$ 275.00, as indicated in the Financial Statement. The names of these Sponsors from six countries appear on page XII of the 1962 Proceedings.

On the basis of renewals and of new Sponsors, we can report at this time that we have to date 14 Sponsoring Members for the 1963-1964 period which starts right after our XI Annual Meeting ends. We are especially pleased to report that of these 14 Sponsors 9 are Mexican firms or individuals, which is indicative of the great interest and cooperation shown to our Region by Mexico as a country.

THE IMMEDIATE FUTURE: It is my duty to report that the special assistance we have been receiving to cover our postage expenses will no longer be provided after December 31, 1962. It is now our own responsibility and duty to defray the cost of mailing the Newsletters, the Proceedings and routine correspondence. To do this, the best plan is to increase our regional dues from US \$ 2.00 to US \$ 3.00 a year, and a resolution to this effect is being presented to you.

The support of our Sponsoring Members and the interest and help of many Regional Members is gratefully acknowledged. However, we cannot afford to be complacent about our finances and membership. Just to maintain the present levels will require the continued effective cooperation of many individuals.

Respectfully submitted,

Ernest H. Casseres
Secretary-Treasurer
Caribbean Region, A.S.H.S.

Approved
26/6/63

CARIBBEAN REGION

American Society for Horticultural Science

Report for 1962-1963

Financial Statement to May 31, 1963

INCOME

Balance on May 31, 1962	US \$	997.98
1963 Regional Membership dues		525.50
1962-1963 Sponsoring Membership contributions		275.00
1963-1964 Sponsoring Membership contributions		275.00
Received from the Guatemala Committee		113.63
Difference in currency exchange		.09
Sale of proceedings		94.93
Sale of reprints		157.80
TOTAL INCOME:-	US \$	2,439.93

EXPENDITURES

Stationary, printing and supplies	US \$	290.44
Printing of 1962 Proceedings		702.58
Telephone and cables		7.82
Mailing expenses		28.16
Bank commissions		15.00
Miscellaneous		24.13
TOTAL EXPENDITURES:-	US \$	1,068.13

Balance in Banco Nacional de México, S. A., Sucursal Insurgentes, Account No. C-8040, on May 31, 1963	US \$	1,371.80
	US \$	2,439.93
	US \$	2,439.93

Respectfully submitted,

Ernest H. Casseres
Secretary-Treasurer
Caribbean Region, A.S.H.S.

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

Office of the Secretary-Treasurer, Londres 40, O.E.A.
México 6, D. F., México.

Agosto 15, 1963

No. 46

Newsletter

Carta Informativa

Newsletter

NUESTRO XI CONGRESO La celebración de nuestro reciente congreso en la ciudad de México constituyó un verdadero éxito. La asistencia fue de 106 delegados de 10 países. El Sr. Ministro de Agricultura y Ganadería, Ing. Julián Rodríguez Adame, se dignó inaugurar el congreso el lunes 24 de junio, en el auditorio de la Productora Nacional de Semillas, cuyo Director, Ing. Emilio Gutiérrez Roldán, pronunció un entusiasta discurso de bienvenida a los delegados. Después de la primera sesión técnica la Productora Nacional de Semillas ofreció un banquete, el cual resultó muy alegre amenizado con música de mariachis. Los días lunes, martes y miércoles fueron presentados informes y ponencias muy interesantes, habiéndose hecho las visitas a la Escuela Nacional de Agricultura, a la Estación Experimental "El Horno" y a los viveros ornamentales "Matsumoto" y "Jardín Mexicano", según el programa. Fuimos honrados con la asistencia del Dr. Walter Reuther, presidente de la sociedad matriz, quien durante el banquete de clausura dirigió unas palabras a los delegados, mostrando su complacencia por el creciente aumento de socios de nuestra Región del Caribe.

Las giras de estudio se iniciaron el jueves 27 de junio, saliendo dos autobuses para el viaje a la zona tropical y uno para el viaje a la zona templada. Ambos grupos tuvieron una cena informal de despedida, el primero en Jalapa, Veracruz y el segundo en Morelia, Michoacán, el sábado 29 de junio, habiendo regresado a México el domingo 30 en la tarde. Ambos viajes resultaron un éxito, tanto por los trabajos observados como por las atenciones de que fueron objeto y la cordialidad con que fueron recibidos los delegados en todas partes.

SESIÓN DE NEGOCIOS Se aprobó unánimemente el informe del Secretario-Tesorero (es tán disponibles copias del balance para quien las solicite), así como el reglamento presentado por el Dr. Carlos Enrique Fernández y una resolución para aumentar la cuota regional de US \$ 2.00 a \$ 3.00, a partir del 1.º de enero de 1964. El Dr. Eduardo Alvarez fue elegido Editor de la Memoria de 1963.

NUOVA DIRECTIVA Y SEDE PARA 1964 Una distinguida delegación venezolana, encabezada por el Dr. Luis Marcano, asistió al congreso y reiteró la invitación hecha el año pasado en Guatemala, para la celebración de nuestro XII Congreso en Venezuela, en noviembre de 1964, invitación que fue unánimemente aceptada. Fueron electos por unanimidad: Presidente Regional: Dr. Luis Marcano; 1er. Vicepresidente Regional, Ing. Humberto Reyes; 2o. Vicepresidente Regional, Ing. Giuseppe Chicco; Secretario-Tesorero (relecto), Dr. Ernesto H. Cásese. El Dr. Marcano es Director del Servicio Shell para el Agricultor, Cagua, Edo. Aragua, Venezuela; el Ing. Reyes colabora en el Ministerio de Agricultura y Cría, en Caracas, y el Ing. Chicco es técnico del Servicio Shell para el Agricultor.

MEMORIA DE 1962 Bob Hunter tuvo la bondad de enviar algunas copias de la Memoria de 1962, las cuales se distribuyeron entre los asistentes al XI Congreso. Nos es grato anunciar que a todos los socios que pagaron su cuota del corriente año les hemos enviado, como impreso certificado, su copia de la Memoria de 1962, durante la última semana de julio. Esperamos la recibirán pronto.

CUOTA ANUAL DE 1963 Estamos enviando un cupón para el pago de la cuota de 1963 a todos los socios que no la han remitido hasta la fecha. Esperamos su amable cooperación y agradecemos su ayuda, esencial para la buena marcha y expansión de nuestra organización.

Agosto 15, 1963
No. 46

OUR ELEVENTH ANNUAL MEETING Our recent meeting, held at Mexico City, was really a success. We had the attendance of 106 delegates representing 10 countries. The Ministry of Agriculture, Ing. Julián Rodríguez Adame, inaugurated the meeting Monday June 24, at the Productora Nacional de Semillas' Auditorium, whose Director, Ing. Emilio Gutiérrez Roldán, addressed the delegates in an enthusiastic welcoming speech. After the first session the delegates had a very gay lunch, as a courtesy of Productora Nacional de Semillas. Monday, Tuesday and Wednesday very interesting and valuable papers and reports were presented. The visits to the National School of Agriculture, the Experiment Station "El Horno" and the ornamental nurseries "Matsumoto" and "Jardín Mexicano" were made according to the program. We were honored by the attendance of Dr. Walter Reuther, Chairman of the parent society, who addressed the delegates during the annual banquet and emphasized his satisfaction for the rapid growth of our Caribbean Region.

Thursday, June 27th, the field trips started off; two buses left for the tropical zone trip and one for the temperate zone trip. Both groups had an informal farewell dinner Saturday, June 29th, the first one at Jalapa, Veracruz and the second at Morelia, Michoacán, being back at Mexico City Sunday afternoon. Both field trips were very successful, not only because of the interesting visits made, but for all the courtesies extended everywhere to the delegates.

BUSINESS SESSION The Secretary-Treasurer's report was unanimously approved (copies of the financial statement available on request), as well as the by-laws presented by Dr. Carlos Enrique Fernández, and a resolution to increase the regional dues from US \$ 2.00 to \$ 3.00, as of January 1, 1964. Dr. Eduardo Alvarez was elected Editor for the 1963 Proceedings.

NEW OFFICERS AND MEETING PLACE FOR 1964 A Venezuelan delegation attended the meeting and reiterated the invitation made in Guatemala last year, to hold our XII Annual Meeting in Venezuela, which was accepted for November, 1964. New officers elected are: Chairman, Dr. Luis M. C. Arce; 1st. Vice-Chairman, Ing. Humberto Reyes; 2nd. Vice-Chairman, Ing. Giuseppe Chicco; Secretary-Treasurer (re-elected) Dr. Ernesto H. Cásseres. Dr. M. C. Arce is Director of Servicio Shell para el Agricultor, Cagua, Edo. Aragua, Venezuela; Ing. Reyes works at Ministerio de Agricultura y Cría, and Ing. Chicco at Servicio Shell para el Agricultor.

PROCEEDINGS Bob Hunter was kind enough to send us some copies of the 1962 Proceedings to be distributed among the delegates to the XI Annual Meeting. We are glad to inform to those members who have paid their 1963 dues, that we have sent them, during the last week of July, as second class mail, printed matter, their copy of the 1962 Proceedings. We hope you will receive it soon.

1963 REGIONAL DUES We are enclosing a coupon to remit the 1963 dues to those regional members who have not paid them yet. We expect your kind cooperation and appreciate your support, since it is essential for the growth of our organization.

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

Office of the Secretary-Treasurer, Londres 40, O.E.A.
México 6, D. F., México.

November, 1963

No. 47

Newsletter

Carta Informativa

Newsletter

FROM DR. LUIS MARCANO, YOUR NEW CHAIRMAN

"Greetings to all Caribbean Region members. It is a pleasure to announce to you that the Local Committee on Arrangements for our next XII Annual Meeting has already started to work. My colleagues on the Committee, Messrs. Humberto Reyes and Giuseppe Chicco, met with me to plan the event, and we hope that with the help of our Secretary-Treasurer and with the usual enthusiasm and cooperation of many regional members, a meeting is going to take place here that will be as successful and as pleasant as previous ones elsewhere. We look forward to seeing you here in Cagua, Venezuela, in November of 1964 !"

FLASH-BACKS FROM OUR MEXICO MEETING

We would like to ask anyone who took black and white photos during the meeting to please allow us to use one or two in order to make up a composite arrangement. A glossy enlargement, or the loan of a negative, which will be returned, will be appreciated. - We have extra copies still available of the following publications that will be sent free of charge upon request: Directory of Members of Caribbean Region, A.S.H.S., 1962-1963; Abstracts (partial) of papers and reports presented at the XI Annual Meeting, June 1963, Mexico; Draft of proposed By-Laws of the Caribbean Region, A.S.H.S.; Bibliography on temperate zone fruits (mostly publications made in Latin America or in Spanish).

NEW POSITIONS AND CORRESPONDING NEW ADDRESSES OF REGIONAL MEMBERS

Ing. Louis A. Gattoni

(from El Salvador to

Korea): U.S. AID/Korea, APO 301, San Francisco, California; Dr. John Popenoe, Director of the Fairchild Tropical Garden, 10901 Old Cutler Road, Miami 56, Fla.; Ing. Javier Becerra, (former Head of Hort. Dept. and Rector at La Molina), now Secretary General of the Ministry of Agriculture, Edif. Ministerio de Trabajo, Ave. Salaverry, Lima, Perú; Dr. "Russ" Larson, who in recent years has worked in Mexico and Argentina, is the new President of the Parent Society and has also been named Dean of the College of Agriculture, The Pennsylvania State University, 111 Armsby Bldg., University Park, Penna.; Dr. Ben Waite (from Hon duras to U.S.A.) Central Research Labs., United Fruit Co., Box 237, Norwood, Mass.; Ing. Filiberto Lazo, Asesor en Fruticultura Tropical, c/o. Rural Dev. and Credit Div., U.S. AID Mission, American Embassy, Bogotá, Colombia; Dr. Paulo de T. Alvim, CEPLAC, Av. Rio Branco 65, Sala 1512 A, Rio de Janeiro, Brasil (still working with cacao). - Our appreciation to all who so promptly advise of change of address.

SOME RECENT BOOKS OF INTEREST

We invite you to look at the several references given in the corresponding paragraph on the reverse of this page, in the Spanish Newsletter. Rather than repeating the same information here, we would like to suggest that you send your Secretary the complete reference to any new publication with in the last two or three years that could be of interest to horticulturists in the tropics and subtropics. We cannot list all new publications, but we feel that mention of a few salient items can be of value. Journals and bulletins could also be mentioned.

THE VALUE OF OUR REGIONAL PROCEEDINGS

Effective January 1, 1964, the price per copy of our Regional Proceedings will be US \$ 2.00 per copy for the current volume, as well as for back issues. For Libraries, however, the price will continue to be \$ 1.50 per copy. We would appreciate it if you would check with the Library that you are connected with and see if a complete set of Caribbean Region, A.S.H.S. Proceedings is available. We have 15 permanent subscriptions and would like to have more. The value of our proceedings is related to the availability and use made of our publications. You can help. Send us addresses of colleagues and libraries that may be interested.

MENSAJE DEL NUEVO PRESIDENTE REGIONAL "Un saludo muy cordial envío a todos los miembros de la Región del Caribe. Con mucho placer les anuncio que el Comité Organizador del XII Congreso, en el cual me acompañan los Ings. -- Agrónomos Humberto Reyes y Giuseppe Chicco, ya se reunió por primera vez para planear este evento. Esperamos que con la ayuda de nuestro Secretario-Tesorero y el entusiasmo usual de los Socios Regionales y otros colegas, podamos realizar un congreso que resulte para todos tan agradable y exitoso como los anteriores. Espero verlos en Cagua, Venezuela, en noviembre de 1964." - Dr. Luis Marciano C.

ECOS DEL CONGRESO EN MEXICO Solicitamos a los participantes del congreso que hubieren tomado fotografías en blanco y negro de algunos eventos del congreso, nos faciliten una copia acabada brillante para hacer un cuadro compuesto de varias fotografías. Se ruega enviar una ampliación o bien el negativo, el cual será devuelto. - Tenemos todavía copias disponibles de las siguientes publicaciones, que enviaremos a quien las solicite: Directorio de Socios Regionales de la Región del Caribe, -- A.S.H.S., 1962-1963; Compendio (parcial) de los trabajos presentados en el XI Congreso Anual en México; Reglamento propuesto para la Región del Caribe, A.S.H.S.; Bibliografía sobre "Frutales de clima templado".

NUEVOS PUESTOS Y CAMBIOS DE DIRECCION DE SOCIOS REGIONALES Ing. Louis A. Gattoni (trasladado a Corea): U.S. AID/Korea, APO 301, San Francisco, Calif. - Dr. John Popenoe, Director del Fairchild Tropical Garden, 10901 Old Cutler Road, Miami 56, Fla. - Ing. Javier Becerra, nombrado Secretario General del Ministerio de Agricultura (equivalente a Subsecretario), Edificio Ministerio de Trabajo, 6o. piso, Av. Salaverry, Lima, Perú. - Dr. Russell E. Larson, quien ha estado en México y en Argentina, es el nuevo Presidente de la sociedad matriz y también fue designado recientemente Dean of the College of Agriculture, The Pennsylvania State University, 111 Armsby Bldg., University Park, Penna. - Dr. Ben Waite, Central Research Labs., United Fruit Co., Box 237, Norwood, Mass. - Ing. Filiberto Lazo, Asesor en Fruticultura Tropical con la AID, c/o. Rural Development & Credit Div., U.S. AID Mission to Colombia, American Embassy, Bogotá, Colombia. - Dr. Paulo de T. Alvim, continúa trabajando en cacao, CEPLAC, Av. Río Branco 65, Sala 1512 A, Río de Janeiro, Brasil.

ALGUNOS LIBROS RECIENTES DE INTERES Desrosier, Norman W. 1961. ATTACK ON STARVATION. Westport, Conn., U.S.A. The Avi Pub. Co. 312 p. - CODIGO INTERNACIONAL DE NOMENCLATURA DE LAS PLANTAS CULTIVADAS. 1961. Traducción autorizada. Zona Andina, Instituto Interamericano Cien. Agr. OEA, Ap. 478, Lima, Perú. - Caswell, G. H. 1962. AGRICULTURAL ENTOMOLOGY IN THE TROPICS. London, Edward Arnold Lt. 152 p. - Whitaker, Thomas W. and Davis, Glen N. 1962. CUCURBITS. New York Interscience Publisher, Inc. 294 p. - Arakeri, H. R. et al. 1962. SOIL MANAGEMENT IN INDIA. 2 ed. London, Asia Publishing House, 609 p. - Janick, Jules. 1963. HORTICULTURAL SCIENCE, W. H. Freeman & Co., San Francisco, Cal.

EL VALOR DE LAS MEMORIAS REGIONALES Efectivo el 1o. de enero de 1964, el precio por copia de las memorias regionales será de US \$ 2.00, tanto para la última memoria disponible como para los números atrasados. Para las Bibliotecas únicamente el precio continuará siendo de \$ 1.50. Agradeceremos a los socios regionales verificar con las bibliotecas con que están relacionados si tienen una suscripción vigente. Ya tenemos unas 15 suscripciones permanentes y conviene que un número mayor de bibliotecas cuente con el juego completo de nuestras memorias. El verdadero valor de nuestra memoria está en relación con su disponibilidad y con el uso que se haga de nuestra publicación. Usted puede ayudarnos, y apreciaremos que nos envíe la dirección de colegas o de bibliotecas que puedan estar interesados.

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

Office of the Secretary-Treasurer, Londres 40, O.E.A.
México 6, D. F., México.

June, 1964.

No. 49

Newsletter

Carta Informativa

Newsletter

OCTOBER MEETING IN VENEZUELA DRAWING GREAT INTEREST Venezuelan Caribbean Region ASHS officers have completed basic arrangements for the XII Annual Meeting and announce this will take place October 25 to 31, with the City of Maracay as living headquarters, and Cagua, a few miles away, as the site for the sessions. Both Maracay and Cagua are at a distance to the West of Caracas, and delegates will be transported by highway directly from the airport to Maracay. The advance in dates was agreed upon due to several advantages, including the fact that persons who might be attending the VI Latin American Meeting of Plant Scientists, in Peru, the first week of November, may now spend a week in Venezuela and then conveniently proceed to Lima.

The program in Cagua will include papers on fruits, vegetables, ornamentals and certain plantation crops. A special invitation is hereby extended to CACAO specialists to present papers at a Cacao Section or group to be included in the program. Participants will have an excellent opportunity to learn of advances made by the Shell organization, by the College of Agriculture at Maracay and by government specialists elsewhere in Venezuela. The costs will be kept down at a reasonable level (not Caracas prices) and details will appear in the program to be mailed from Cagua. Of course, the field trip to study horticultural problems first hand will again be an important feature of the meeting.

Communications have been received from members in the U.S.A., Mexico, Puerto Rico, Guatemala, Honduras, Costa Rica, Colombia, Brazil and Jamaica indicating intention of attendance. Among them: from ASHS President Dr. Russ Larson, Dr. Wilson Popence, Dr. Julian Miller, Dr. Murray Gaskins, George Jackson, R. E. Wyss and from a group in Fort Pierce, Fla. This will be the first time that the American Society for Horticultural Science will meet on the South American Continent. (Write Chairman Marciano if you are interested in the possibility of group fares. In Florida write Stanley Smith, who acquired a travel agency, Stuart Travel Service, 209 W. Ocean Blvd., Stuart, Fla.).

NOTES Steps are being taken to set up a Board of Directors of the Caribbean Region, which is needed to help with the responsibility of continuity and development of our activities. Proposals and suggestions for incorporation in the By-Laws to be adopted formally in Venezuela may be sent anytime up to 30 days before the next meeting to your Secretary-Treasurer. Copies of the proposed By-Laws are available for the asking. - Dr. Guy W. Adriaance, Box 2666, College Station, Tex., would like to receive information regarding citrus and deciduous fruits in tropical countries.

MORE REPORTS - LESS REAL WORK Agricultural specialists in Latin America are facing an increasing frequency of requests from their directors for reports (and summaries of the reports) on the work they do, resulting in less time to do the real work they were hired for in the first place. Often a scientist is tied down to a desk, and so do the chiefs who have to read the reports and make larger reports for the top officers. Add the fact that a good many of the horticulture students being trained in Latin American universities receive a fine theoretical background but are getting less actual practice doing the jobs that need to be done - and seldom get thoroughly familiar with plants and implements. We have thus a serious situation regarding the actual productiveness of our "técnicos" and we raise the question of how competent, many of the new college level graduates are really going to be.

SIGUEN LOS PREPARATIVOS Y CRECE EL INTERES EN NUESTRO CONGRESO HORTICOLA EN VENEZUELA

Los oficiales de la Región del Caribe, ASHS en Venezuela y sus colaboradores, han terminado los arreglos básicos para la celebración de nuestro XII Congreso en ese país. Las fechas serán Octubre 25 al 31. El lugar de hospedaje será la ciudad de Maracay y las sesiones serán en Cagua. Los dos sitios están cercanos uno del otro.

En la carta anterior se había mencionado una fecha a fines de Noviembre, pero el Comité Organizador fijó la nueva fecha atendiendo a las ventajas que significa. Entre ellas está que las personas que piensan asistir a la Reunión Latinoamericana de Fitotecnia en Perú (en la primera semana de Noviembre) podrán seguir de Caracas a Lima con facilidad, así incluyendo ambos eventos. Se han recibido cartas de Brasil y de nuestros colegas de Florida, que ya están haciendo planes para asistir al Congreso de Horticultura en Venezuela y no dejar pasar esta excepcional oportunidad de observar "horticolamente" uno de los más interesantes países de América del Sur. También han indicado intención de asistir colegas de E.U.A., México, Puerto Rico, Honduras, Guatemala, Costa Rica y Jamaica.

En el programa de los primeros tres días se presentarán trabajos sobre frutales, hortalizas, ornamentales y temas especiales. Se invita muy cordialmente a los técnicos en CACAO a presentar sus trabajos en la sesión o grupo que se incluirá en el programa con ese fin. Los colegas de Venezuela informarán sobre los trabajos en varias partes del país, constituyendo esto una excepcional oportunidad para los visitantes del exterior. El viaje de estudio al campo será parte importante del congreso. Los costos serán mantenidos a un nivel razonable (no se trata de los precios de Caracas) y serán mencionados en el programa impreso que se enviará por aéreo a todos los socios regionales próximamente.

Esta es la primera vez que se celebra en América del Sur un congreso de la Sociedad Americana de Ciencias Horticolas, el cual se verá honrado con la participación del Presidente de la ASHS Dr. Russ Larson y del Dr. Wilson Popence.

Las personas que tengan interés en la posibilidad de conseguir tarifas de transporte aéreo más bajas de grupo deben escribir al Dr. Luis Marcano, Presidente Regional, C/o. Servicio Shell, Cagua, Edo. Aragua. En Florida pueden escribir a Stanley Smith, Stuart Travel Service, 209 W. Ocean Blvd., Stuart, Fla.

NOTAS Se están tomando los pasos para crear una Junta Directiva que colabore en la responsabilidad de la dirección y continuidad de nuestra Región del Caribe. Cualquier socio regional puede presentar sugerencias y propuestas, las cuales deben ser enviadas por escrito al Secretario-Tesorero con 30 días de anticipación a la reunión en Venezuela. Copias del reglamento preliminar están disponibles en la oficina del Secretario Tesorero para quien las solicite. - El Dr. Guy W. Adriance, Box 2666, College Station, Tex., U.S.A., agradecería recibir informes sobre cítricos y frutos de hoja caduca en los países tropicales.

MÁS INFORMES, MENOS TRABAJOS Los profesionales en las ciencias agrícolas están al frente de una creciente demanda de sus superiores por más informes y más resúmenes de los informes, quedando cada vez menos tiempo para hacer el trabajo sobre el cual hay que informar. Se dan casos de técnicos que en lugar de estar en el campo se pasan haciendo informes y labores administrativas para sus superiores, quienes a su vez salen poco al campo porque están haciendo informes para los altos jefes. Junto a esta tendencia hay otra: Muchos estudiantes de horticultura en nuestras facultades y escuelas están siendo preparados muy bien en la teoría, pero en la realidad llegan a ejecutar, si acaso sólo contadas veces, las diversas tareas sobre el modo de producir hortalizas, frutales y plantas ornamentales y tienen poco contacto directo con plantas y con implementos. Esto indica que los técnicos tienden a ser poco productivos y que los futuros graduados van a salir muy científicos, pero poco prácticos.

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

Office of the Secretary-Treasurer, Londres 40, O.E.A.
México 6, D. F., México.Agosto, 1964
No 50

Newsletter

Carta Informativa

Newsletter

The local Committee addresses to you from Cagua, site of our XII Meeting. In this way we pass on to you immediate and direct information and give a deserved rest to our efficient and hard working Secretary-Treasurer, Dr. Ernesto Cásceres.

THE PROGRAMME The inaugural session of our XII Meeting, will be held in the Assembly Room of the Experimental Station of Cagua, Sunday 25th., of October, at 10:00 a.m. The technical sessions will begin the same day, at 3:00 p.m., continuing the following days until Wednesday the 28th., at 12:00 m. On the afternoon of Wednesday we will have a special Seminar on "Crops Plants and their Water Supplies", which will be directed by Dr. J.P. Hudson, Head of the Department of Horticulture of the University of Nottingham (England), who has been specially invited by the Fundación Shell of Venezuela, to participate in our Meeting. For this Seminar it is recommended that other members interested in these problems, prepare their comments.

ARRIVALS The airport of Caracas is the nearest one to Cagua, located at some 100 Km. All the delegates arriving to the airport of Caracas between the 12:00 m. of Friday 23rd., and the 12:00 m. of Sunday, 25th., will be met by a member of our Society and will travel to Maracay, lodging place, or directly to Cagua, in taxis with a special rate of US\$ 3.00 per person. The members arriving on other days or hours, will have to make their proper arrangements at higher rates.- The delegates will be lodged in Maracay, 16 Km. from Cagua, in the Micotti Hotel.- The arranged prices are as follows: single room, per person, US\$ 5.60; two in one room, per person, US\$ 3.90; three in one room, per person, US\$ 3.40 This hotel is located in the center of Maracay and all the rooms have airconditioned. Daily transport to Cagua, will be in buses, without additional cost.

SIMULTANEOUS TRANSLATION We have engaged a professional group and adequate equipment for the simultaneous translation, English to Spanish, and Spanish to English, for all the sessions, inaugural and technical, including the Seminar. To facilitate the labour of the translators, it is convenient that the papers be sent before the initial date of the Meeting, in order that the translators have sufficient time to get acquainted with the vocabulary used by each person. Write in your own language.

TOURS There will be two types of study tours: Option "A", tour of three days visiting various zones of the country, including parts of the Venezuelan Andes. Option "B", includes three visits, each of one day, coming back to Maracay every night. Our next letter will have program, cost and other details. Special visits to experimental centers could be arranged upon request.- We also have arranged a tour of one day to Caracas for those interested in having a look through the City.

COCOA SESSION We have specially invited the cocoa specialists to assist a technical session. We have been informed that a large group of Costa Rica, Antillas, Central America, Ecuador, and other countries will attend.

SPECIAL RECOMMENDATION The Venezuelan Government charges a tax of US\$ 18.00 to all persons going out of the country having ordinary, courtesy or official visas. Only those with tourist card or tourist visas, will be exempt of this tax. Be sure to bring with you either one. In case you would like to have additional information, do not hesitate to write to Luis Marciano, Apartado 162, Cagua, Estado Aragua, Venezuela.

Esta Carta, a cargo del Comité Directivo local de Venezuela, se dirige a Uds. desde Cagua, sede de nuestro XII Congreso. Con ello, pasamos información directa e inmediata y damos un muy merecido descanso a nuestro eficiente y preocupado Secretario-Tesorero, Dr. Ernesto Cásseres.

EL PROGRAMA La sesión inaugural de nuestro XII Congreso será en el Salón de Actos de la Estación Experimental de Cagua, el domingo 25 de octubre, a las 10:00 a.m. Las sesiones técnicas comenzarán el mismo día, a las 3:00 p.m., siguiendo los días siguientes hasta el miércoles 28, a las 12:00 m. El miércoles en la tarde habrá un Seminario especial sobre "Crop plants and their Water Supplies", éste será conducido por el Dr. J.P. Hudson, Jefe del Departamento de Horticultura de la Universidad de Nottingham (Inglaterra), quien ha sido especialmente invitado por la Fundación Shell de Venezuela, para participar en nuestro Congreso. Para este Seminario se solicita que otros miembros interesados en estos problemas preparen sus intervenciones.

LLEGADAS El aeropuerto más cercano a Cagua es el de Caracas, situado a unos 100 Km. Todos los miembros que lleguen al aeropuerto de Caracas, entre las 12:00 m. del día viernes 23 y las 12:00 m. del domingo 25, serán recibidos por un miembro de nuestra Sociedad y podrán viajar a Maracay, sitio de alojamiento, o directamente a Cagua, en taxis, con una tarifa especial de US\$ 3.00 por persona. Los miembros que lleguen fuera de estas fechas y horas, deberán hacer sus propios arreglos, a tarifas mucho más altas.- Los congresistas se alojarán en Maracay, a 16 Km. de Cagua, en el Hotel Micotti. Las tarifas arregladas serán así: cuartos sencillos, por persona, US\$ 5,60; dos en un cuarto, por persona, US\$ 3,90; y tres en un cuarto, por persona, US\$ 3,40. El Hotel Micotti está situado en el centro de Maracay y todas sus habitaciones tienen aire acondicionado.- El transporte diario de Maracay a Cagua será en autobuses, sin costo adicional.

TRADUCCION SIMULTANEA Hemos contratado traductores y equipos adecuados para traducción simultánea inglés-español y español-inglés, de todas las sesiones, técnicas e inaugural, y del Seminario. Para facilitar la labor de los traductores, es conveniente que los trabajos escritos sean presentados con anterioridad a la fecha del inicio del Congreso, ya que los traductores deben familiarizarse con el vocabulario empleado por cada persona. Escriban Uds. en su propio idioma.

JIRAS Habrá dos tipos de jiras de estudio: Opción "A", viaje de tres días, recorriendo varias zonas del país hasta remontarse a las partes bajas de los Andes venezolanos. La Opción "B", incluye tres visitas, cada una de un día, regresando a Maracay cada noche. En nuestra próxima Carta irá programa, costo y otros detalles. Visitas especiales a Centros Experimentales podrán arreglarse a solicitud.- Habrá una visita de un día a Caracas, para las personas interesadas en asomarse a la gran ciudad.

SESION DE CACAO Hemos invitado especialmente a los cacaojeros para una sesión técnica. Ya tenemos información de que asistirá un nutrido grupo de Costa Rica, las Antillas, Centro América, Ecuador y otros países.

RECOMENDACION ESPECIAL El Gobierno de Venezuela carga un impuesto de aproximadamente US\$ 18.00 a la salida del país, de todas las personas con visas ordinarias, de cortesía u oficiales. Sólo los portadores de tarjetas de turismo o visas de turista, no pagan este impuesto. Asegúrese de venir con tarjeta o visa de turista.- Para cualquier información, favor dirigirse a Luis Marciano, Apartado 162, Cagua, Estado Aragua, Venezuela, S.A.

BY-LAWS OF THE CARIBBEAN REGION

American Society for Horticultural Science

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REGLAMENTO DE LA REGION DEL CARIBE

American Society for Horticultural Science

ARTICLE I

NAME

Section 1. The name of this sectional group, as authorized and established by the American Society for Horticultural Science (A.S.H.S.) which is the Parent Society, is "Caribbean Region", or "Región del Caribe".

- (a) The Caribbean Region exists under the general provisions contained in the Constitution of the Parent Society.
- (b) The By-Laws of the Caribbean Region provide for the operation of this regional group.

ARTICLE II

OBJECTIVES

Section 1. The objectives of the Caribbean Region are:

- (a) To promote and encourage scientific research and education in horticulture in the Caribbean and in other tropical areas.
- (b) To cooperate with the Parent Society in all matters pertaining to horticulture.

ARTICLE III

MEMBERSHIP

Section 1. The members shall be divided into the following classes:

- (a) Regional Members, or Socios Regionales. This class consists of persons actively interested in promoting the objectives of the Caribbean Region, who live in the Caribbean area or in other regions, and who pay annually U.S.\$ 3.00 as Regional Dues.
- (b) Sponsoring Members, or Socios Patrocinadores. This class consists of individuals or organizations who contribute U.S.\$ 25.00 to the Region for the period included between two consecutive annual meetings.

- (c) Honorary Members, or Socios Honorarios. This special class consists of individuals, elected by the Caribbean Region members, who have given distinguished and important support to the development of horticulture in the Caribbean or other similar areas.

Section 2. Only persons who are Active Members of the Parent Society and are also Regional Members may hold office.

Section 3. Voting for Caribbean Region affairs is limited to Regional Members and to Honorary Members.

ARTICLE IV

OFFICERS

Section 1. The Officers of the Caribbean Region shall be a Chairman (or Presidente Regional), a Vice-Chairman (or Vice-Presidente Regional) and a Secretary-Treasurer.

Section 2. The duties of the Officers shall be as follows:

- (a) The Chairman shall conduct all the affairs of the Caribbean Region during the period for which he was elected, including the responsibility for making the arrangements for the annual meeting, the establishing of relationships with local organizations and authorities, the securing of new regional and sponsoring members, the nominating of an Editor and Chairman of the Finance Committee, and other authorities related to the objectives of the Caribbean Region.
- (b) The Vice-Chairman shall assist the Chairman in his duties and shall substitute temporarily or take over when the latter is unable to discharge his obligations.
- (c) The Secretary-Treasurer shall issue a Newsletter at intervals through the year, he shall receive such monies as may accrue from the dues from Regional Members, the contributions from Sponsoring Members and income from sale of reprints; he shall keep records and maintain correspondence with members, officers of the Caribbean Region and of the Parent Society and of other organizations; and he will discharge his duties in the nature of an Executive Secretary-Treasurer in agreement with the Chairman. Furthermore, the Secretary-Treasurer is authorized to deposit or invest funds of the Caribbean Region, free from personal liability beyond that of managing said funds through a recognized banking institution, and of presenting a financial report at the end of each year.

Section 3. The officers shall be elected at the annual meetings, as follows:

- (a) The Chairman and Vice-Chairman shall be elected from the country where the meeting is to be held and shall serve for one year.
- (b) The Secretary-Treasurer shall be elected for one year but may be re-elected to provide continuity in society affairs.
- (c) The incoming Chairman shall appoint an Editor which shall be confirmed at the time the voting takes place, and the Editor shall also serve one year but may be re-appointed.
- (d) At the request of the incoming Chairman a second Vice-Chairman may also be elected.

ARTICLE V

COMMITTEES

Section 1. FINANCE COMMITTEE. The Chairman shall be appointed at the annual meeting and he shall in turn choose two additional members who will have the duties of securing or depositing additional funds for the Caribbean Region and advising in financial matters. The Secretary-Treasurer shall be an ex-officio member of this committee.

Section 2. EDITORIAL COMMITTEE. The Chairman shall be the Editor appointed at the annual meeting, and he shall in turn appoint two more members to assist in the publishing of the Regional Proceedings. The Chairman shall be an ex-officio member of this committee.

Section 3. EXECUTIVE COMMITTEE. The Chairman of the Caribbean Region shall preside over this Committee which shall consist of four additional members including the Vice-Chairman, the Secretary-Treasurer, the Chairman of the Finance Committee and the Editor. The quorum shall be three persons, but for matters requiring a formal vote, at least four votes shall be considered a majority including the possibility of securing the vote by mail.

- (a) The Executive Committee shall discharge such duties as may be agreed upon and found necessary, including the establishment of other special committee, and it may be convened by the Chairman or by the Secretary-Treasurer.

ARTICLE VI

MEETINGS

Section 1. The Caribbean Region shall hold an annual meeting in such a country and location as may be voted upon after receipt of an invitation. A preliminary invitation two years in advance, confirmed suitably the following year shall be given priority for consideration.

Section 2. An annual business session shall be included in the program of the annual meeting and it shall be conducted by the Secretary-Treasurer.

Section 3. An annual banquet shall be held during the meeting whenever possible, on a date and place chosen by the officers, for the purpose of fellowship, inspiration and entertainment.

First presented at the Business Session of the XI Annual Meeting.
Mexico, June 26, 1963.

A. S. H. S.

Región del Caribe

LISTA DE LOS ASISTENTES AL XII CONGRESO DE LA SOCIEDAD
AMERICANA DE CIENCIAS HORTICOLAS

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ANLEU CORZO, LEONEL W.,
Instituto Agropecuario Nacional - Ministerio de Agricul
tura. La Aurora
Guatemala.-

ARMOUR, ROBERT PAUL
Escuela Agrícola Panamericana
Apdo. Postal 93, Tegucigalpa
Honduras.-

ATLEE, CHARLES B.,
University of California
3085 Porter Gulch Rd. Aptos California
U.S.A.-

CAMACHO V., EDILBERTO
I.I.C.A.
Turrialba, Costa Rica.-

CULBURN, BURT
Coral Reef Nursery
330 N. E. Rund - Homestead Fla.

DEARBORN, CURTIS H.,
Univ. Alaska
Palmer, Alaska.-

DESROSIERS, RUSSELL
AID - COSTA RICA
U.S. Embassy, San José
Costa Rica.-

ESQUIVEL F., OSCAR
Instituto Interamericano de Ciencias Agrícolas
Turrialba - Costa Rica.-

FROSCHER, ELEANOR
30230 SW 172 (P.O. Box 507)
Homestead, Florida
U.S.A.-

GARCIA, GUILLERMO
Corn Prod Food Technology Institute
Apdo. Aéreo 21.879
Cali, Colombia.-

./.

GASKINS, MURRAY

U.S. Dpto. Agriculture
Mayaguez - Puerto Rico.-

GLENN, ROSCOE

Rare Fruit Corencil - Florida
Miami.-

GUTIERREZ CORTEZ, HUMBERTO

Chocolateria Luker
Carrera 23 N^o. 22-46 Manizales
Colombia.-

HAMILTON, RICHARD A.,

I.I.C.A. Turrialba Costa Rica
3242 Pawaima St. Honolulu 14
Hawaii 96822.-

HANNA, G.G.,

University of California
Davis, California.-

HATTON, T.T.,

U.S. Dpt. of Agriculture
13601 Cutter Road
Miami, Florida.-

HEINZE, KURT

Biological Federal Institution for Agriculture
and Forestry, Westion Germany
Berlin - Dahlim.-

HUDSON, J.P.,

University of Nottingham
Inglaterra.-

JIMENEZ SAENZ, EDUARDO

I.I.C.A. Turrialba
Costa Rica.-

LARSON, RUSSELL E.,

The Pennsylvania State University
111 Armsby Bldg, University Part.

LEIVA, JUAN J.,

Esc. Agr. Panamericana
Apdo. 93 Tegucigalpa
Honduras.-

MILLER, JULIAN

State Univ.
Baton Rouge, Louisiana, U.S.A.-

MILLER, RALPH L.,

Horticultural Consultant
701 South Hyer Ave Orlando Fla
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./.

MILLER, RUEPA L.,
701 South Hyer Ave Orlando Fla
Florida - U.S.A.-

MINER, JAMES T.,
Miner's Roses
Box 341 - Boynton Beach Fla
U.S.A.-

MOLINA SIBAJA, ALVARO
Ministerio de Agricultura - Costa Rica
San José - Costa Rica.-

MORTON, JULIA
University of Miami
Box 8204, Coral Gables
Florida, U.S.A.-

POPENOE, WILSON
- - -
Antigua, Guatemala, C.A.

SAMPLE, M.D.,
P.O. Box 897 - 74 Pierce Fla.
U.S.A.-

SKILL, PEARE
Girl Scouts
909 N. Krowe Ave. Homestead Fla
U.S.A.-

SMITH, ELSIE M.,
Guest
P.O. Box 32 - Florida.-

SMITH, STANLEY
Smith Menninger Trees
P.O. Box 32 - Stuart
Florida.-

SAMPLE, ESTELLE
P.O. Box 897 - 74 Pierce Fla
U.S.A.

SORIA V., JORGE
Instituto Interamericano de Ciencias Agrícolas
Turrialba, Costa Rica.-

WOLFE, H.S.,
University of Florida
Gainesville, Fla.
U.S.A.-

WOLFENBARGER, D. O.,
University of Florida
Homestead, Fla.

./.

WYSS, R.,
113a Constant Spr. Rd.
Kingston, Jamaica.-

ALBORNOZ M., AMERICO
Universidad Central de Venezuela
Facultad de Farmacia
Caracas.-

ALVARADO P., JOSE DE JESUS
M.A.C. Estación Experimental de Mucuchies
Mucuchies - Estado Mérida.-

ANGELES, NESTOR
CIA. LAC.
Sección Entomología - El Limón
Maracay.-

ARCIA M., MIGUEL ASDRUBAL
Estación Experimental de Tabaco ("EXPERTA")
Servicio Shell para el Agricultor
Cagua, Estado Aragua.-

AYALA CLEMENTE, HECTOR
Servicio Shell para el Agricultor
C. gua, Estado Aragua.-

AZUAJE, HECTOR R.,
Central El Palmar
San Mateo - Edo. Aragua.-

BASCONES, LUIS
Servicio Shell para el Agricultor
Cagua, Edo. Aragua.-

BELLAVITA, OSCAR
Dirección de Investigación (CIA)
Rubio - Edo. Táchira.-

CARDENAS C., HUGOLINO
Servicio Shell pra el Agricultor
Cagua - Edo. Aragua.-

CARVALLO CARRERO, VIRGILIO
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./.

CERMELI, MARIO

Servicio Shell para el Agricultor
Cagua - Edo. Aragua.-

COLMENARES C., SIMON

Servicio Shell para el Agricultor
Cagua - Edo. Aragua.-

CHAVEZ, JOSE FELIX

Instituto Nacional de Nutrición
Esquina El Carmen - Apdo. 2049
Caracas.-

CHICCO R., GIUSEPPE

Fundación Shell
Cagua - Edo. Aragua.-

DEBROT CAPRILES, EDUARDO

C. T. A.
El Limón - Maracay.-

DE ARMAS, ROSALBA SANCHEZ DE

Facultad de Agronomía
Maracay - Edo. Aragua.-

DIAZ POLANCO, CARLOS A.,

C.T.A. Sección de Fitopatología
Maracay - Edo. Aragua.-

DORESTE, ERNESTO

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Cagua - Edo. Aragua.-

GARMENDIA, LUIS E.,

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Avenida Principal Las Delicias Nº. 26 - Apdo. 220
Maracay - Edo. Aragua.-

GARCIA ANDRADE, NUNO

M.A.C. Extensión - Piso 13 - Torre Norte
Caracas.-

GONZALEZ, RAFAEL ENRIQUE

C.T.A. (M.A.C.)
Sección Suelos
Maracay.-

HERNANDEZ PEREZ, JOSE

Byer Químicas Unidas S.A.
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Instituto de Investigaciones Científicas
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MACHADO, GABRIEL

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San Mateo - Edo. Aragua.-

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MERMOL M., E. DAVID

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Barquisimeto - Edo. Lara.-

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MURER, GAYLORD

Del Monte - Calpak
Apdo. 4581
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MAZZANI, BRUNO

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MONTILLA, JOSE ANTONIO

Central El Palmer - San Mateo
Estado Aragua.-

NAVARRETE SANCHEZ, CRISTOBAL A.,

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Maracay, Estado Aragua.-

OLIVA, JOSE RAFAEL

M. A. C.
Carrera 10 No. 80
El Tocuyo - Estado Lara.-

OROPEZA, HERNAN

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Maracay, Estado Aragua.-

PENELLA L., JOSE S.,

Consejo de Bienestar Rural
Edificio Torre del Este - Av. Francisco de Miranda
Caracas.-

PEREZ NIETO, ERASMO

Estación Experimental del Café - MAC
Bramón - Estado Táchira.-

PEREZ ZAMORA, ANDRES

Estación Experimental de Cacao
Caucagua - Estado Miranda.-

PINTO AROCHA, MANUEL

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REYES ESPINOZA, HUMBERTO

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./.

RINCON, DAVID

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Cagua, Estado Aragua.--

RIOS SOSA, MIGUEL

Estación Experimental de Fruticultura para Clima
Templado
Mérida, Estado Mérida.--

PEREIRA, JOSE FRANCISCO

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SALAZAR FRANCO, SERAPIO

Estación Experimental de Cacao
Ocunare de la Costa
Estado Aragua.--

SALINAS, PEDRO JOSE

Fundación Shell
Cagua, Estado Aragua.--

SALINAS, OCTAVIO

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Servicio Shell para el Agricultor
Cagua, Estado Aragua.--

SERPA, DIEGO

Universidad de Oriente
Jusepin, Estado Monagas.--

SERPA, MARIA DE

Universidad de Oriente
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SILVA CALVO, JESUS S.,

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TREJO PADILLA, PEDRO

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Barquisimeto, Estado Lara.--

ARMAS, EMIR GONZALO

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BERGER, HANS

Bayer Químicas Unidas
Colinas de Bello Monte - Plaza Ibarra
C a r a c a s .-

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M. A. C.
Torre Norte, Centro Simón Bolívar
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FIGUEROA, MAXIMIANO

C. I. A.
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RUMENOF KOROWA, MILOR

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Estado Lara.-

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

Office of the Secretary - Treasurer, Londres 40, 11CA
 México 6, D. F., México

No. 53
 April, 1965

Newsletter

Carta Informativa

Newsletter

XIII ANNUAL MEETING, JULY 4-10, 1965, UNIVERSITY OF WEST INDIES, KINGSTON, JAMAICA

CALL FOR PAPERS As the date for our next Annual Meeting gets closer, we send out this last call for papers, since there will be a time limit for acceptance. As indicated in February, please write as soon as possible to Mr. Robin Wyss, First Vice Chairman, 113a Constant Spring Road, Kingston 10, Jamaica, giving title, name of author and submitting an abstract no longer than 250 words long. Time allotted will be no more than 15 minutes unless advance arrangements are made for more.

JAMAICA ORGANIZING COMMITTEE ACTIVITIES Your officers have been meeting periodically since last year to make the arrangements for the July Meeting which is drawing a great deal of interest. Doctors G.P. Chapman and P. Hunt of the Botany Department of the UWI are helping the officers. Among the new developments, which will be reported on in detail in the printed program, are the programming of special speakers and seminar topics, as well as short visits to horticultural establishments for which Jamaica is justly famed. The costs for accomodation and meals will be such that there will be a choice of rates. The UWI Halls of Residence will be available at a low cost and the Liguanea Terrace Hotel has offered reasonable rates. The total cost should not be far from our usual base average of US \$10.00 per day per person in double room, with costs going up as you add air conditioning, different hotels or style of meals. Prospective participants should count on at least \$100.00 for the week, to include the registration charges, transportation on field trips and annual banquet. As to air fares, check with local airline offices. You are reminded that Mexicana de Aviación flies from México City and Merida Sundays and Wednesdays to Jamaica - a good combination. LACSA passengers could change to BWIA at Gran Cayman island. We have learned of members who will attend from Florida, California, Mexico, Haiti, Dominican Republic, Puerto Rico and Central America. Be sure to send in your notice of intended attendance as soon as you receive the next circular.

VENEZUELAN MEMBERS' ACTIVITIES The Venezuelan Officers and local committee that worked so hard to make last year's meeting a success must be congratulated also due to the fact that they signed up 18 sponsoring members and sent in a check for US \$450.00. In addition, two more sponsors recently joined. A call is made to our Sponsors of last year to renew their contribution for 1965. A total of 95 members paid their 1964 or 1965 dues at the time of registration in Cagua. We did not receive the complete list until recently, so possibly we have been late in sending some receipts.

REGIONAL DUES FOR 1965 While a large number of our Regional Members have sent in their US \$3.00, there are others which have let this get by and we ask you to please send your dues right away. We must be reminded that we are a self sustaining Society and that the contribution of everyone is essential to meet rising costs and to promote the work of our organization. If a large X appears on the left of this paragraph, it means that your card on our record still shows your 1965 dues have not been received. We have distributed an extra number of 1965 membership folders this year, asking each one of you to try to get at least one new member.

HORTICULTURAL CONGRESS NEXT YEAR The enclosed folder and card refer to the 1966 national Horticultural Congress. Membership in the International Horticultural Society (ISHS) may be secured by sending your Caribbean Region ASHS Secretary-Treasurer US \$ 1.40 per year, in addition to regional dues, and you will receive *Chronica Botanica* three times a year. If you send the enclosed card, you will receive free of charge additional information about the 1966 Congress. The fact that we mention the 1966 Congress in USA does not imply it will take the place of our regional meeting. We shall meet in El Salvador in 1966, probably sometime before the USA event, but if you expect to be in the USA or can make the trip, by all means plan to attend this important international event.

GROWTH AND DECENTRALIZATION Your Caribbean Region ASHS continues to grow in importance, as shown by the number of libraries over the world that ask for information and subscribe to the Regional Proceedings. As you may know, the work of the Office of the Secretary-Treasurer keeping the records and sending the Newsletters requires a certain amount of time, and this is done through the cooperation of the Inter-American Institute of Agricultural Sciences (IICA), a hemispheric institution that believes that regional professional organizations like ours can be of great help promoting agricultural progress. Plans are being developed for a gradual distribution of parts of the responsibility of running the Caribbean Region to members of various committees. Therefore, you are asked to please cooperate with committee members whenever possible, since we all stand to gain by increasing efficiency of our internal structure.

REPRINTS Authors of papers presented in Venezuela who would like to purchase reprints of their papers are asked to write the Secretary-Treasurer for a quotation.

NEW MEMBERS & NEW ADDRESSES In the new Directory of Regional Members for 64-65 you will see the large number of new members from Venezuela, a list too lengthy to insert here. We want to extend a welcome to the following members from Argentina, who joined through the efforts of José Crnko: Jorge Lona, Luis Laborde, Humberto Galmarini and Juan J. Camba. Aage Krarup from Chile, and Jorge Reynoso, Luis Mimbela Leyva, Alejandro Francia, Alfredo Ríos and Estuardo Masías from Peru, are new regional members. Ernest Mortensen has another new address: c/o USAID/KABUL, APO 668, New York, N.Y. Isaiás Flores Reyes recently returned to the TEC at Monterrey, Mexico, with his Ph.D. earned at Pennsylvania State University.

SECTION ON NEW BOOKS We received favorable remarks about the section in the February Newsletter dealing with comments on new or forthcoming books. (We would like to make this a frequent feature of this Newsletter, and would welcome brief notes from members). Here are a few items of interest: *CHRONICA HORTICULTURAE* (Vol. 4, No. 3, December, 1964) carries another installment on Horticultural Research throughout the World, this time, with information on Japan, Nigeria and Florida. *FRUTAS SILVESTRES DE COLOMBIA* is the name of a 342 page book by Rafael Romero Castañeda, published by the Instituto Tecnológico Agrícola de la Universidad de Nariño, Colombia which shows there are still valuable "wild" fruits in that country. *FRUTALES DE HOJA PERENNE* is a translation into Spanish of Ghandler's Evergreen Crops, published by Editorial Hispano Americana, Apartado Postal 1168, México 12, D.F., (US \$9.00)

This time I could not write a full letter due to time limitations.

Caribbean Region *Seems it will be a good meeting. Region del Caribe*
Sorry you can't be there. *Ernesto*

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

Office of the Secretary - Treasurer, Londres 40, IICA

No. 54

México 6, D. F., México

Junio 10, 1965

Newsletter

Carta Informativa

Newsletter

ULTIMAS NOTICIAS ANTES DEL CONGRESO ANUAL EN JAMAICA JULIO 3 AL 10

Anticipamos el placer de saludarles personalmente en Kingston y les enviamos las últimas noticias que nos acaban de llegar del Comité Local. "Han concluido felizmente las preparaciones para celebrar nuestro XIII Congreso Anual con sede en la Universidad de West Indies. Además de las sesiones para presentar trabajos, se efectuarán tres seminarios importantes: El Dr. S. Sehgal de la Pioneer Hi-Bred Corn Co. en Jamaica desarrollará una sesión sobre mejoramiento de maíz, Mr. Stanley Glasgow dirigirá el seminario sobre Frutales de Valor Potencial y el Dr. David Edwards de la Facultad de Agricultura de la U.W.I. hablará sobre Producción en Pequeña Escala. Estos temas son de gran interés tanto en Jamaica como en otros países en los Trópicos y se invita a los miembros a tomar parte en las sesiones. Se han programado varios viajes al campo, por ejemplo, en el Valle del Upper Yallahs a una elevación de 2.500 a 4.500 pies, se observará la producción de vegetales. En Twickenham Park se mostrará la Estación Experimental que se está iniciando. (Otros sitios se mencionan en el programa). Para las señoras se están programando algunas visitas informales las cuales también serán sin duda muy interesantes."

FAVOR COMPLETAR, CORTE EN LA LINEA Y ENVIE POR CORREO A LA MAYOR BREVEDAD

Dr. Peter Hunt, Región del Caribe, ASHS
Botany Dept., U.W.I., Mona, Kingston 7, Jamaica

Espero participar en el Congreso de 1965 y mi plan es llegar via _____ vuelo no. _____ el día _____. Deseo hospedarme en el Dormitorio de la Universidad de West Indies/Hotel Liguanea Terrace (tache uno) y quedo entendido de los precios indicados abajo. La Cuota de Inscripción y el costo de los Viajes de Estudio se pagarán al momento de la inscripción.

NOMBRE: _____ No. de personas _____
DIRECCION: _____

- Subraye el tipo de hospedaje preferido: Cuota de Inscripción: US\$3.00
1. HOTEL LIGUANE TERRACE (con desayuno) Banquete: (Incl. transporte)
a) Sencillo: Cuarto 1 persona, sin US\$7.00
aire acondicionado, diario US\$6.75 Viajes: (Subraye cuales dos
b) Doble: Cuarto 2 personas, sin aire prefiere)
acondicionado, diario US\$5.75 A - Valle del Yallahs, Sin
Los precios son por persona costo transporte
Con aire acondicionado, agregar diario 6 B - Charlton y Beverley
US\$1.50 US\$3.50
2. DORMITORIO UNIVERSIDAD C - Agric. Dev. Corp. y Estación Investigaciones Hortícolas US\$3.50
Cuartos sencillos únicamente, 6 D - Estación Mejoram. Banano,
diario, US\$7.00 Estación de Inv. US\$3.50

LAST NEWS BEFORE JAMAICA MEETING JULY 3-10th

We look forward to seeing you soon at the fine Meeting in Jamaica and send the latest information just received from the local committee in Kingston:

"Adequate preparations have now been made for the XIIIth Annual Meeting at the University of the West Indies. Three seminars are to be featured. Dr. S. Sehgal of Messrs. Pioneer Hi-Bred Corn Co., in Jamaica will lead the seminar session on Maize Improvement. Mr. S.K. Glasgow, Horticulturist of the Ministry of Agriculture & Lands, Jamaica, will lead the seminar on Potential Fruit Crops in Jamaica. Dr. David Edwards of the Faculty of Agriculture, U.W.I., Trinidad, will lead the seminar on Small Scale Crop Production. These subjects are of considerable interest to Jamaica and elsewhere in the Tropics and members are invited to partake in the discussions. Field trips have been arranged for the Upper Yallahs Valley, an area (elevation 2,500-4,500 ft.) of vegetable production. At Twickenham Park visitors will see the start of the establishment of a Research Station. Informal tours are being arranged for the ladies and indications are that they too will be interesting."

FILL OUT, DETACH AND SEND BY AIRMAIL AT ONCE IF YOU EXPECT TO ATTEND
Dr. Peter Hunt, Caribbean Region, ASHS
Botany Dept., U.W.I., Mona, Kingston 7, Jamaica

I intend to take part in the 1965 Meeting and will arrive via _____ flight _____ on _____. I would like to stay at (delete one) the University of the West Indies/Liguanea Terrace Hotel. I understand that the costs for room are as indicated below. The registration fee of US \$3.00 and transportation costs will be paid at the time of registration.
NAME: _____ (No. persons) _____

ADDRESS: _____

Underline your preference:

1. HOTEL LIGUANEA TERRACE (inc. breakfast)

a) Single: Non-air conditioned room,
per day US\$6.75 per person

b) Double: Non-air conditioned room,
per day US\$5.75 per person

For air-conditioning add US\$1.50 daily

2. UNIVERSITY RESIDENCE HALL

Single rooms (only) per day US\$7.00

Registration: US\$3.00

Banquet: US\$7.00 (If not paid)

Field Trips: (Underline preference)

Tour A-Yallahs Valley - Nil

or Tour B-Charlton & Beverley
US\$3.50

Tour C-Agricultural Develop.
Corp. & Vegetables
Research Station
US\$3.50

or Tour D-Banana Breeding Station
& Maize-Research
Station US\$3.50

NOTE: Allow about 5 or 6 US\$ per day for lunch and dinner.



AMERICAN SOCIETY
FOR
HORTICULTURAL SCIENCE

Caribbean Region
XIII Annual Meeting
3rd - 10th JULY, 1965

UNIVERSITY OF THE WEST INDIES
MONA, JAMAICA.

ENGLISH

ESPAÑOL

Monday 5th July	Events	Lunes, el 5 de julio	Programa
8.00 - 10.00 a.m.	Registration	8.00 - 10.00 a.m.	Inscripción
10.15 a.m.	Address: Hon. J. P. Gyles, Minister of Agriculture and Lands.	10.15 a.m.	Discurso: Hon. J. P. Gyles, Ministro de Agricultura
11.15 - 12.00 noon	Opening Technical Paper Dr. L. P. Batjer	11.15 - 12.00 noon	Inauguración Trabajo técnico Dr. L. P. Batjer
2.00 - 2.30 p.m.	Seminar I Maize Improvement Dr. S. Sehgal	2.00 - 2.30 p.m.	Seminario I Mejoramiento del maíz Dr. S. Sehgal
2.30 - 3.00 p.m.	Tea	2.30 - 3.00 p.m.	Té
3.15 - 5.00 p.m.	Papers	3.15 - 5.00 p.m.	Trabajos
Tuesday 6th July	Events	Martes, el 6 de julio	Programa
9.00 - 9.30 a.m.	Papers	9.00 - 9.30 a.m.	Trabajos
9.30 - 10.00 a.m.	Papers	9.30 - 10.00 a.m.	Trabajos
10.00 - 10.30 a.m.	Papers	10.00 - 10.30 a.m.	Trabajos
10.45 - 11.15 a.m.	Papers	10.45 - 11.15 a.m.	Trabajos
11.15 - 11.40 a.m.	Papers	11.15 - 11.40 a.m.	Trabajos
11.40 - 12.00 noon	Papers	11.40 - 12.00 noon	Trabajos
22.00 - 2.30 p.m.	Seminar II Potential Fruit Crops Mr. S. K. Glasgow	2.00 - 2.30 p.m.	Seminario II Cosechas potenciales de frutas. Sr. S. K. Glasgow
3.45 - 5.00 p.m.	Business Meeting	3.45 - 5.00 p.m.	Sesión de orientación

Wednesday 7th July	Events	Miercoles, el 7 de julio	Programa
9.00 - 9.30 a.m.	Papers	9.00 - 9.30 a.m.	Trabajos
9.30 - 10.00 a.m.	Papers	9.30 - 10.00 a.m.	Trabajos
10.00 - 10.30 a.m.	Papers	10.00 - 10.30 a.m.	Trabajos
10.45 - 11.15 a.m.	Papers	10.45 - 11.15 a.m.	Trabajos
11.15 - 11.40 a.m.	Papers	11.15 - 11.40 a.m.	Trabajos
11.40 - 12.00 noon	Papers	11.40 - 12.00 noon	Trabajos
2.00 - 2.30 p.m.	Papers	2.00 - 2.30 p.m.	Trabajos
2.30 - 3.00 p.m.	Tea	2.30 - 3.00 p.m.	Té
3.15 - 5.00 p.m.	Seminar III Small scale Crop Production. Dr. David Edwards.	3.15 - 5.00 p.m.	Seminario III Produccion de cosechas de pegenena escala. Dr. David Edwards.
8.00 p.m.	Dinner - Caymanas	8.00 p.m.	Cena - Caymanas
Thursday 8th July		Jueres, el 8 de julio	
TOUR A 8.30 a.m. - 2.30 p.m.	Yallahs Valley	VIAJE A 8.30 a.m. - 2.30 p.m.	Yallahs Valley
- OR -		- Q -	
TOUR B 8.00 a.m. - 5.00 p.m.	Charlton Citrus Nursery and Beverley Pimento Station	VIAJE B 8.00 a.m. - 5.00 p.m.	Plantel de auranciases Charlton y Estacion de pimento Beverley
Friday 9th July		Viernes el 9 de julio	
TOUR C 8.00 a.m. - 5.00 p.m.	Coconut Industry Board Research Laboratory, Agricultural Development Corporation and Twicken- ham Park.	VIAJE C 8.00 a.m. - 5.00 p.m.	Consejo de la Industria del coco laboratorio de investigaciones Corpora- cion del desarrollo agric- cola y Twickenham Park
- OR -		- Q -	
TOUR D 8.00 a.m. - 5.00 p.m.	Banana Breeding Station and the Clarendon Irrigation Scheme	VIAJE D 8.00 a.m. - 5.00 p.m.	Estacion de cultivo de guineos y proyecto de irrigacion de Clarendon
8.00 p.m.	Farewell Barbecue	8.00 p.m.	Despedida Barbacoa.
Saturday 10th July		Sábado, el 10 de julio	
9.00 a.m.	Concluding session	9.00 a.m.	Sesion final.

NOTES FOR VISITORS

1. Visitors are asked to register as soon after arrival as possible.
2. Meetings will be held in the Chemistry Department which is the first set of buildings on the left of the Queens Way when entering from the Mona Road.
3. Transport costs for the various visitors are additional to the registration fee and arrangements for these will be made at Registration.
4. The three special Seminars have been arranged as matters of general interest and all visitors are invited to attend them.
5. In case of difficulty contact or telephone either

Mr. S. K. Glasgow - 79823 Laboratory
 Dr. G. P. Chapman - 70357 Home
 76661 ext. 289
 Laboratory

NOTAS PARA LOS VISITANTES

1. Se ruega a los visitantes que se registren lo más pronto posible después de su llegada.
2. Les sesiones se celebrarán en el departamento de química el cual se encuentra ex los primeros edificios a la izquierda de Queens Way viniendo par Mona Road.
3. El precio de transporte para las visitas se añade a los derechos de inscripción, estas visitas se pueden arreglar al registrarse.
4. Los tres seminarios especiales han sido arreglados como temas de interés general y se ruega a todos los visitantes que asistien.
5. En caso de dificultad se puede poner en contacto o telefonear a

Sr. S. K. Glasgow - 79823 Laboratorio
 Dr. G. P. Chapman - 70357 Residencia
 - 76661 ext. 289
 Laboratorio

The organisers of the conference are grateful to the various organisations that have helped financially or in other ways. These include The Shell Co. Ltd., Esso Ltd., Reynolds Mines, Alcan, Grace Agricultural Co., T. Geddes Grant Ltd., The Ministry of Agriculture and Lands and the Coconut Industry Board, and the Chemistry and Botany Departments of the University of the West Indies, Mona.

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

Office of the Secretary - Treasurer, Londres 40, IICA
México 6, D. F., México

Newsletter

Carta Informativa

No. 54
Newsletter

June 10, 1965

LAST NEWS BEFORE JAMAICA MEETING JULY 3-10th

We look forward to seeing you soon at the fine Meeting in Jamaica and send the latest information just received from the local committee in Kingston:

"Adequate preparations have now been made for the XIIIth Annual Meeting at the University of the West Indies. Three seminars are to be featured. Dr. S. Sehgal of Messrs. Pioneer Hi-Bred Corn Co., in Jamaica will lead the seminar session on Maize Improvement. Mr. S.K. Glasgow, Horticulturist of the Ministry of Agriculture & Lands, Jamaica, will lead the seminar on Potential Fruit Crops in Jamaica. Dr. David Edwards of the Faculty of Agriculture, U.W.I., Trinidad, will lead the seminar on Small Scale Crop Production. These subjects are of considerable interest to Jamaica and elsewhere in the Tropics and members are invited to partake in the discussions. Field trips have been arranged for the Upper Yallahs Valley, an area (elevation 2,500-4,500 ft.) of vegetable production. At Twickenham Park visitors will see the start of the establishment of a Research Station. Informal tours are being arranged for the ladies and indications are that they too will be interesting."

FILL OUT, DETACH AND SEND BY AIRMAIL AT ONCE IF YOU EXPECT TO ATTEND
Dr. Peter Hunt, Caribbean Region, ASHS
Botany Dept., U.W.I., Mona, Kingston 7, Jamaica

I intend to take part in the 1965 Meeting and will arrive via _____ flight _____ on _____. I would like to stay at (delete one) the University of the West Indies/Liguanea Terrace Hotel. I understand that the costs for room are as indicated below. The Registration fee of US \$3.00 and transportation costs will be paid at the time of Registration.

NAME: _____ (No. persons) _____

ADDRESS: _____

Underline your preference:

1. HOTEL LIGUANEA TERRACE (inc. breakfast)

- a) Single: Non-air conditioned room,
per day US\$6.75 per person
b) Double: Non-air conditioned room,
per day US\$5.75 per person

For air-conditioning add US\$1.50 daily

2. UNIVERSITY RESIDENCE HALL

Single rooms (only) per day US\$7.00

incluye 3 comidas.

Registration: US\$3.00

Banquet: US\$7.00 (If not paid)

Field Trips: (Underline preference)

Tour A-Yallahs Valley - Nil

or Tour B-Charlton & Beverley
US\$3.50

Tour C-Agricultural Develop.
Corp. & Vegetables
Research Station
US\$3.50

or Tour D-Banana Breeding Station
& Maize-Research
Station US\$3.50

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE
(Caribbean Region)

July 20, 1965

MEMORANDUM

To: Editorial Committee Members

From: R. P. Armour, Editor *R. P. Armour*

SUBJECT: Minutes of First Meeting of the Editorial Committee
(Summary only)

The first meeting of the Editorial Committee was held at 9:30 PM on Wednesday 7th July in Room 1A of Hotel "LIGUANEA TERRACE", Kingston, Jamaica.

All three members of the committee were present, as follows:

Dr. H. S. Wolfe
Dr. Eduardo Jimenez S.
Mr. R. P. Armour

The following points were discussed and decisions taken as indicated.

1. To facilitate the work of the committee and to ensure a gradual improvement in the quality of papers presented for inclusion in the Proceedings a set of editorial rules be set up based on those appearing in the proceedings of the parent society.
2. Papers presented shall be of two types:
 - a) Research papers of a conclusive nature and with adequate statistical analyses where possible.
 - b) Descriptive papers.

NOTE: Invited papers which form the basis for seminar discussions as part of the prepared program would most likely fall under category 'b'.

3. The deadline for presenting papers, in complete form, to the editor shall be 30 DAYS after the last day designated for the formal meetings of the current year, i.e., 9th August 1965 in this case.
4. The editor shall be responsible for publication of the proceedings not later than 8 months, and preferably 6 months, after the date of the annual meeting, i.e., 10th February 1966.
5. The editorial committee shall meet once annually, i.e., during the annual conference of the society, and at the site of that conference.
6. The editor shall be assisted by the other two members of the committee as follows:
 - a) editing of papers
 - 1) English: Dr. H. S. Wolfe
 - 2) Spanish: Dr. E. Jimenez S.
 - b) In the preparation and approval of rules to be set up by the editorial committee.
7. Apart from the annual meeting of the editorial committee (part 5 above) all other business shall be handled by correspondence.

cc: Dr. E. Casseres, Secretary-Treasurer

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE (CARIBBEAN REGION)

From:- The Editorial Committee

To:-

SUBJECT: Deadline for submission of papers to be
included in _____ Proceedings.

Please note that papers to be published in the above
proceedings should be in the hands of the editor no later than
_____ at the following address:

R. P. Armour
Escuela Agrícola Panamericana
Apartado 93
Tegucigalpa, Honduras, C.A.

De:- El Comité Editorial

A:-

ASUNTO:- Ultima fecha para entregar trabajos para ser
incluidos en la Memoria del Año _____

Favor de tomar nota que trabajos para ser publicados
en la memoria arriba referida tienen que estar en manos del
editor a más tardar el día _____ a la
siguiente dirección:

R. P. Armour
Escuela Agrícola Panamericana
Apartado 93
Tegucigalpa, Honduras, C.A.

Estado de Cuenta

STATEMENT OF ACCOUNT

A: **CARIBBEAN REGION, A.S.H.S.**

To:

1. Cuota como miembro de la Región del Caribe, A.S.H.S., 1966
MEMBERSHIP DUES IN CARIBBEAN REGION, A.S.H.S., DURING 1966 US\$ 3.00
2. Cuota como Socio Patrocinador durante 1966
SPONSORING MEMBER CONTRIBUTION DURING 1966 US\$ 25.00

Forma para la compra de Memorias Regionales FOR PURCHASE OF REGIONAL PROCEEDINGS

3. Favor enviarme copias de las Memorias Regionales de los años (indique cuáles desea)
1957..... 1958..... 1959..... 1960..... 1961..... 1962..... 1963..... 1964..... al precio de US\$ 2.00
cada una. Para cubrir este valor incluyo la suma de
- PLEASE SEND ME COPIES OF THE CARIBBEAN REGION PROCEEDINGS OF THE
FOLLOWING YEARS 1957..... 1958..... 1959..... 1960..... 1961..... 1962..... 1963..... 1964..... AT
THE PRICE OF US\$ 2.00 EACH. ENCLOSED FIND PAYMENT IN THE AMOUNT OF
- TOTAL US\$

4. Favor extender el cheque a la orden de: **CARIBBEAN REGION, A.S.H.S.**
PLEASE MAKE OUT CHECK TO THE ORDER OF:

5. Envíese a:
SEND TO:

E. H. CASSERES, Secretario-Tesorero
Región del Caribe, A.S.H.S.
IICA Londres 40-3
México 6, D. F.

Le agradeceremos el favor de indicar su interés principal y la actividad a que se dedica marcando uno o más lugares en cada una de las dos columnas siguientes.

- | | | | |
|-----------|---|---------|-------------------------|
| I. | Frutales | A. | Investigación |
| II. | Hortalizas | B. | Enseñanza |
| III. | Ornamentales | C. | Extensión o Divulgación |
| IV. | Cultivos de Plantación
(Cacao, Café, etc.) | D. | Producción |

WE WILL APPRECIATE IT IF YOU WOULD PLEASE INDICATE YOUR MAIN FIELDS OF INTEREST AND ACTIVITY BY CHECKING ONE OR MORE PLACES IN EACH COLUMN BELOW.

- | | | | |
|-----------|---|---------|------------|
| I. | Fruits | A. | Research |
| II. | Vegetables | B. | Teaching |
| III. | Ornamentals | C. | Extension |
| IV. | Plantation Crops
(Cacao, coffee, etc.) | D. | Production |

Nombre Name

Dirección Postal Postal Address

Ciudad y País City and Country

Los cheques deben hacerse a la orden de "Caribbean Region A.S.H.S." Este cupón le será devuelto sellado como su recibo.

Checks should be made out to "Caribbean Region A.S.H.S." This form will be returned to you stamped as receipt.

LA REGION DEL CARIBE es uno de los cinco grupos regionales de la Sociedad Americana de Ciencias Hortícolas (A.S.H.S.). Desde su organización en 1951 desarrolla actividades dedicadas a promover la Horticultura tropical y subtropical, contando en Enero de 1966 con 323 socios regionales en 22 países. La Región del Caribe, A.S.H.S. publica una memoria con trabajos en español o en inglés y celebra un congreso en un país de su región cada año.

SOCIOS REGIONALES. Todos los interesados en el desarrollo de las ciencias hortícolas, especialmente en su aplicación práctica, y en el avance de la profesión de la Horticultura, particularmente en los países de la Región. Mediante el pago de su cuota anual de US\$ 3.00, tiene derecho a voz y voto, recibir una copia de la memoria regional, las cartas informativas y la inclusión de su nombre y dirección en el Directorio de Socios Regionales. El cupón anexo puede usarse para enviar la cuota. Pueden ser socios regionales personas de otros países que no estén incluidos geográficamente en la región del Caribe.

SOCIOS PATROCINADORES. Personas, compañías y organizaciones que desean contribuir al adelanto de la Horticultura en los países de la Región del Caribe, A.S.H.S., mediante un aporte de US\$ 25.00 o más al año. Tienen los mismos derechos que un socio regional y además su nombre se imprime en un cuadro al principio de la memoria.

La sociedad matriz, de la cual es parte la Región del Caribe, es la American Society for Horticultural Science (A.S.H.S.), la cual fue fundada en 1903 y cuenta con cerca de 2,700 socios activos en 69 países. Las personas que quieren ser miembros de la matriz, pueden dirigirse a: Cecil Blackwell, Executive Director, A.S.H.S., 615 Elm Street, St. Joseph, Michigan 49085, EE.UU.

The **AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE (A.S.H.S.)** was organized in 1903 to promote the science of Horticulture in all its phases, and now consists of nearly 2,700 persons in 69 countries.

The **CARIBBEAN REGION, A.S.H.S.** is one of five regional groups of the parent society. Since 1951 the Caribbean Region has promoted the development of tropical and subtropical horticulture and now has over 323 regional members; it holds an annual meeting in a different country and its members receive an annual volume of regional proceedings with papers and reports in Spanish or in English.

REGIONAL MEMBERS. All those interested in promoting horticultural science, and the profesion of Horticulture, particularly in the Caribbean Region countries or in any tropical area. By payment of an annual regional membership fee of US\$ 3.00 a regional member is entitled to receive a copy of the regional proceedings and several newsletters, to vote and to have his name and address included in Regional Directory. The blank form provided may be used.

SPONSORING MEMBERS. Individuals, companies or organizations that wish to contribute US\$ 25.00 a year towards the objectives of the Caribbean Region, A.S.H.S., particularly the publishing of the annual regional proceedings. Sponsors have the same privileges as regional members and in addition, their name is included on a special page in the first part of the proceedings.

Those who also wish to join the parent society are encouraged to do so. Separate annual dues should be sent to: Cecil Blackwell, Executive Director, A.S.H.S., 615 Elm Street, St. Joseph, Michigan 49085 U.S.A.

Región del Caribe

**SOCIEDAD AMERICANA
DE CIENCIAS HORTICOLAS**

ASHS
1966

Caribbean Region

**AMERICAN SOCIETY FOR
HORTICULTURAL SCIENCE**

Una Sociedad Internacional para el Adelanto de la Horticultura en la América Tropical

[ca. 1967 ?]

This visit to Altamira completes our series of excursions to places of horticultural interest in El Salvador. I have been asked by members of our group to express our heart-felt thanks to Don Francisco de Sola, who has given us so generously of his time in connection with this, the fifteenth annual meeting of the Caribbean Region of the American Society for Horticultural Science, and at the same time to point out a few of his contributions to the development of Tropical horticulture. To me this seems highly appropriate, for if we stand back and try to evaluate the progress which has been made during the fifteen years of our existence as a regional group of our parent Society, I am sure we will agree that no single individual has contributed more effectively toward the attainment of our objectives than has Francisco de Sola, affectionately known to all of us as Don Chico.

Here at Altamira, and three days ago at Los Andes, we have seen the results of much experimentation. I know that all of us were thrilled by that planting of Rubus glaucus, a wild berry of Tropical America which, until it was taken in hand by Don Chico, was scarcely known in cultivation, and then only as a dooryard fruit in Colombia and Ecuador. Last year a thousand hundredweight of these berries (one cannot bother to talk about quarts when you get onto this level) were marketed from the 9 acres of plants we saw at Los Andes.

At this same place, the largest planting of strawberries in Central America has been developed after much experimentation with varieties. And in what we might term a relatively new field of fruit growing in Central America----the species of Temperate Zone Orchards,

apples, pears, plums and peaches. Considerable plantings of those varieties considered by Professor W. H. Chandler of California and Dr. George M. Darrow of the U. S. Department of Agriculture--~~a~~^s the most promising for regions of very mild winters--have been made here and are already yielding interesting results, especially the plums.

Much work has been done here with avocados, with citrus, and with a number of other fruits. In fact it is probably safe to say that at no other place in Central America is such a wide range of species and varieties represented.

Today--here at Altamira, we are in a different world--2800 feet as opposed to the 5800 of Los Andes. And what do we find here? A carefully-conducted and recorded series of experiments with coffee, several strains or varieties, with and without shade, and with variations in pruning practices. Even more interesting to many of us, because it is unique in Tropical America, is the planting of Macadamia nuts, both seedlings and clones from Hawaii.

There are other plants, too, but I have said enough to bring out the point I had in mind when I began these remarks....the extensive and expensive work of experimentation which Francisco de Sola has been conducting over the years, for the advancement of horticulture in Tropical America.

of the AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE ASHS
Sociedad Americana de Ciencias Hortícolas
Ernesto Cásseres, Secretary-Treasurer of the Tropical Region
IIICA, Londres 40-1, México 6, D. E. México

COLOMBIA: ANOTHER SUCCESSFUL MEETING

It has become a problem to make an objective report on each annual meeting since each one has its own qualities and special features as a result of the advanced preparations. This is the case with Colombia. From the time we were met at the airport through the registration procedures handled by Eileen Owen and Maria Cecilia de Salazar with the help of Maria Cristina Garcia and Amparo Bernet, through to the technical sessions and special events, we all had the sensation that the Colombian horticulturists had really made a great effort to ensure the best possible results. The meeting was inaugurated by the Minister of Agriculture and the Director of the Instituto Agropecuario spoke to us during our tour of Palmira; his Institute gave all sorts of cooperation that meant a great deal to the success of the meeting. The total registration was 143 persons. There was a special program for the ladies who were taken to various places of interest. Our Regional Chairman, Danilo Rios-Castaño was active all the time during the field trips, and he was a dynamic figure, as shown by the photo, trying to keep track at all times of visitors (or finding the bus that got lost). He



saw to it that the program could be adjusted so that we could enjoy the barbecue before going on to see some of INCORA's field work in agrarian reform and land development. Everyone enjoyed the Cornichon grapes that the Hermanos Grajales gave us during our visit to the vineyards in La Union, Valle.

Rodrigo Torres, our Local Secretary who never seemed to lose his cool, had previously worked with other committee members to obtain the useful portfolios that were given to us and to obtain funds to the special events that we were treated to. The number of regional members in Colombia grew to 49, and we recuperated 14 former members. Add these to the 437 regional members that we now have according to the information presented by Ernesto Casseres in his annual report as Secretary-Treasurer. In the report he referred to the new look of this Newsletter and to the adequate funds on hand for publishing the 1968 proceedings.

NEW OFFICERS OF THE TROPICAL REGION

In the recent meeting held in Cali on July 14 the following officers were elected upon the recommendation of Regional Chairman Danilo Rios-Castaño:

Dr. A. H. Krezdorn, Regional Chairman
Dr. William Grierson, First Vice-Chairman
Mr. Stanley Smith, Second Vice-Chairman
Dr. Ernesto Casseres, Secretary-Treasurer

These officers will serve until the end of 1970 meeting that will be held in Miami simultaneously with the Florida State Horticultural Society the last week of October. A national meeting of ASHS will be held in the same place the following week which will allow us to take in both meetings. This invitation to Miami was reconfirmed this year and the Secretary stated there was interest from Nicaragua to extend an invitation for 1971.

As required in the Bylaws, Danilo Rios-Castaño continues as Chairman of our Board of Directors which also includes Dr. Luis A. Montoya, Editor; Mr. Burt Colburn, Finance Committee; Mr. Basil D. Bartley, Membership Committee; Ing. Simon Colmenares, Member-at-Large until 1970. Ing. Carlos Aponte from Puerto Rico was elected to the Board as Member-at-Large until 1971.

THE BEST OF THE PICK

We should be proud of the work of our Editor Dr. Luis A. Montoya who recently produced the proceedings of our 1968 meeting held in Trinidad. This Volume 12 contains 572 more pages than the proceedings of 1967. The graphs and tables are clearer and with the patient work of the printers, Mr. Rigoberto Camargo and Mr. Fernando Acosta of the Editora Nacional Agropecuaria, S. A. the maximum number of errors was corrected. Few people realize how many extra hours and how many trips to the printer's shop you must make in order to produce a good publication, and for the diligence and dedication of Luis Montoya we should be grateful. The Table of Contents lists 34 papers including some concerning tomatoes, citrus crops, and anthuriums, just to mention a few of the group discussed. Regional Members who paid their 1969 dues will receive this volume. Felipe Garcia our Office Assistant put them in the mails between the 26th and 30th of September. We request that you check with your library to see if it has a subscription, because every year our proceedings are used more and more for reports on the progress of tropical horticulture. Summaries and titles of each paper are given both in Spanish and English.

PROCEEDINGS

VOL 12

IMPORTANT NOTICE TO MEMBERS OF THE ASHS

U
You will note on the enclosed statement for 1970 membership dues that dues for Active and Student Membership have been increased, but that dues for other categories of membership are the same as for last year. This action was necessary to meet rising costs, due partly to inflation and in large part to the greater volume of papers being published by the Society in the *Journal* and *HortScience*. Considering the fact that over three-fourths of the Society's expenditures are attributable to publication costs, this is a dominant factor in the budget.

The increase in dues will also enable the Society to move ahead at an accelerated pace with improved services to and expanded activities on behalf of the membership -- to better serve the needs and interests of the profession.

To cover part of the rising costs, subscription prices and the institutional page charge for the *Journal* and *HortScience* are also being increased; and the frequency of *HortScience* will be increased to 6 issues per year in 1970 in order to improve the potential for increasing income from advertising and at the same time to provide more frequent communication with the membership. [1971]

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

P.O. Box 109 • St. Joseph, Michigan 49085, U.S.A.

Statement of Account:

NAME AND ADDRESS OF MEMBER

MEMBERSHIP DUES FOR CALENDAR YEAR 1970

	<i>Category of Membership:</i>		<i>Check Here</i>
<div style="border: 1px solid black; padding: 5px;"> <p>WILSON POPEÑO DIR. EMERITUS ESCUELA AGRIGOLA PANAMERICANA ANTIGUA, GUATEMALA CENTRAL AMERICA</p> </div>	Sustaining Membership ^{1/}	\$100.00	<input type="checkbox"/>
	Active Membership	\$ 25.00	<input type="checkbox"/>
	Student Membership ^{2/}	\$ 12.50	<input type="checkbox"/>
	Associate Membership ^{3/}	\$ 8.00	<input type="checkbox"/>
	ISHS Membership ^{4/}	\$ 2.90	<input type="checkbox"/>
	Late Charge (After Feb. 15) ^{5/}	\$ 2.00	<input type="checkbox"/>

FIRST NOTICE

IMPORTANT: For identification and proper credit, please return this statement with your remittance. Make checks, drafts, or money orders payable (in U.S. dollars) to the *American Society for Horticultural Science*.

1/ *Sustaining Membership* in ASHS also includes membership in the International Society for Horticultural Science (ISHS) without separate payment of ISHS dues.

2/ *Student membership:* Any graduate student enrolled in an accredited university or college for a minimum of 50% of a full academic schedule is eligible for *Graduate Student Membership*, provided such status is certified *annually* by the student's major professor. Any undergraduate student certified by his department head or chairman to be in junior or senior standing in an accredited university or college, and majoring in a field of agriculture or other science consistent with the purposes of this Society, shall be eligible for *Undergraduate Student Membership*. Such memberships entitle students to receipt of the *Journal* (formerly the *Proceedings*) and *HortScience*.

Graduate Student Status Certified by _____

Undergraduate Student Status Certified by _____

3/ *Associate Membership:* This category of membership is intended primarily for persons interested in affiliation with the Society, but who do *not* wish to receive the Society's bimonthly *Journal* (formerly the *Proceedings*). Associate Members receive *HortScience*, can be appointed to serve on committees, and are encouraged to participate in annual meetings of the Society (including business meetings). However, they are *not* eligible to hold elective office or to participate in the election of officers, nor are they eligible for election as Fellows of the Society. Incidentally, the *Journal* is the Society's principal repository for detailed research papers, and *HortScience* will undergo some refinements designed to serve the needs and interests of *all* members, including Associate Members, and is being changed to a bimonthly in 1970. Thus, all persons who are currently Active Members are encouraged to continue in the Active Membership category.

4/ Active, Student, and Associate Members of ASHS who wish to do so are encouraged to remit an additional \$2.90 for membership in the International Society for Horticultural Science (\$2.80 will be transferred to ISHS headquarters, The Hague, Netherlands; 10 cents is for postage and handling). ISHS members receive *Chronica Horticulturae*, three issues per year, plus other privileges of membership such as a discount on other ISHS publications.

5/ *Late Charge:* The first bimonthly issue of the *Journal* (for January 1970) and the first bimonthly issue of *HortScience* (for February 1970) will be mailed to current (1969) members before addressograph plates for non-paid members are pulled in mid-February 1970. Therefore, members who wish to receive the remaining issues for 1970, as published, should remit their payment for 1970 membership dues by **February 15**. Since considerable clerical expense is entailed in removing and reinstating addressograph plates and in mailing back issues of publications to those who remit dues payments after February 15, the "Late Charge" is an equitable way to cover the extra cost incurred.

PLEASE NOTE: If your payment for 1970 membership dues must be delayed, please complete the statement below and return the **FIRST NOTICE** copy of this invoice before **February 15, 1970**, and attach the **DEFERRED PAYMENT COPY** when making payment (in which case your addressograph plate will not be pulled and the "Late Charge" will not apply):

I plan to continue my membership for 1970 (in the category checked above), and will send my dues payment by the following date _____ Signed _____

Yours sincerely,
CECIL BLACKWELL
 Executive Director

Is your mailing address correct? _____ If not, enter correct address below:

_____ ZIP Code _____ (for USA addresses)

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE

P.O. Box 109 • St. Joseph, Michigan 49085, U.S.A.

Statement of Account:

NAME AND ADDRESS OF MEMBER

MEMBERSHIP DUES FOR CALENDAR YEAR 1970

WILSON POVENGE
 DIR. ESCRITOS
 ESCUELA AGRICOLA PANAMERICANA
 ANTIGUA, GUATEMALA
 CENTRAL AMERICA

Category of Membership:		Check Here
Sustaining Membership ^{1/}	\$100.00	<input type="checkbox"/>
Active Membership	\$ 25.00	<input type="checkbox"/>
Student Membership ^{2/}	\$ 12.50	<input type="checkbox"/>
Associate Membership ^{3/}	\$ 8.00	<input type="checkbox"/>
ISHS Membership ^{4/}	\$ 2.90	<input type="checkbox"/>
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DEFERRED PAYMENT COPY

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Yours sincerely,
 CECIL BLACKWELL
 Executive Director

Is your mailing address correct? _____ If not, enter correct address below:

ZIP Code _____ (for USA addresses)

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE
XIX CONFERENCE

Managua, D. N., 18-24 Julio 1971

Dr. Wilson Popenoe

La XIX Reunión Anual de la Sociedad Americana de Ciencias Hortícolas, Región Tropical, se efectuará del 18 al 24 de julio en la ciudad de Managua, D. N., Nicaragua.

Sirva esta misiva como una notificación, para solicitarle oficialmente presentar algunos de sus importantes trabajos de investigación en el ramo de la horticultura.

El Hotel Intercontinental Managua dará acogida a los participantes a este evento con las siguientes tarifas:

Cuarto doble, sin alimentación	US\$ 8.00 diarios, cada uno
Cuarto sencillo, sin alimentación	US\$ 12.00 diarios
Cuarto doble con desayuno y cena	US\$ 13.00 diarios, cada uno
Cuarto sencillo, con desayuno y cena	US\$ 17.00 diarios

Oportunamente haremos de su conocimiento el programa a desarrollar, que estará auspiciado por la Asociación Nacional de Profesionales Agropecuarios de Nicaragua.

Para este evento se ha constituido la siguiente Directiva:

Ing. Noel Somarriba, Presidente
Dr. Frank Bendaña, Vice-Presidente
Agr. Alfonso Zúñiga, Secretario
Agr. Aquiles González, Tesorero
Agr. Daniel Gutiérrez, Vocal
Agr. Nardo Cárdenas M., Vocal
Ing. Alejandro Fernández, Director Ejecutivo

Para toda información dirigirse a:

ALEJANDRO FERNANDEZ
Banco Central de Nicaragua
Apartado 2252 - Managua, D. N.
Nicaragua, Centro América.
Teléfono: 2252

También pueden dirigirse a:

ASOCIACION NACIONAL DE
PROFESIONALES AGROPECUARIOS
DE NICARAGUA
Apartado Postal 3667 - Tel. 23382
Managua, D. N., Nicaragua
América Central



American Society for Horticultural Science

P.O. Box 109 • 914 Main Street • St. Joseph, Michigan 49085

Phone (616) 983-6723
Cecil Blackwell
Executive Director

[OOD 1973]

To: ASHS Members.

Re: Headquarters relocation, and payment of membership dues for 1974.

Dear Members:

During the Society's annual business meeting at Raleigh, N.C., on August 22, 1973, attended by over 500 members, approval was given to a unanimous recommendation by the Board of Directors that the ASHS headquarters office be moved to Mount Vernon, Virginia. We will occupy rental space in the main building on a 27-acre estate that was acquired by the American Horticultural Society in February 1973. The property was once part of President George Washington's River Farm. For additional details, see April 1973 *HortScience* 8(2):154-156, and October 1973 *HortScience* 8(5):443-444 (due off the press next week).

The move of Society headquarters is to be accomplished as soon as possible commensurate with the orderly sequencing of activities at the headquarters office. Since most membership and subscription renewals are usually received between mid-October and mid-January, and this is an extremely busy period at the headquarters office, the "target date" for moving is February 1, 1974 at the latest. An earlier date may be possible, depending in part on how soon the Executive Director can sell his home in St. Joseph. However, arrangements are being made to assure that all the Society's mail will be forwarded promptly (in first-class bundles, daily) to Mount Vernon after the move is accomplished. Thus, we hope to accomplish the move with minimal disruption of activities and services, even though we will have an entirely new secretarial-clerical staff at the new location.

Accordingly, the enclosed dues notice has our St. Joseph, Michigan return address, and prompt payment of your membership dues for calendar year 1974 will be doubly appreciated this year. You will be pleased, I am sure, to note that ASHS dues for 1974 are the same as they were for 1973 (see April 1973 *HortScience* 8(2):154-156, "Moratorium on dues increases").

Your continued support of your professional organization is essential as we move ahead in more effective and efficient service to you and to horticulture, and in enhancing the service of horticulture to the general public.

Thank you for your support, and the opportunity to be of service to horticulture.

Very sincerely,

Cecil Blackwell

Cecil Blackwell
Executive Director

Enclosures (2)