

# **CARIBBEAN AIR COMMAND**

## **Albrook Air Force Base**



# **HEMISPHERIC FELLOWSHIP THROUGH MEDICINE**

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**USAF LATIN AMERICAN  
MEDICAL CONFERENCE**

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**25-28 March 1962**

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**DISTINGUISHED GUESTS AND CONFEREES:**

**WELCOME** — to the USAF Latin American Medical Conference which the Caribbean Air Command has the honor to host.

It is indeed symbolic that this conference should be held at the locale where Gen. Gorgas, during the construction of the Panama Canal, rendered such notable service to humanity in the suppression of tropical disease. The role of the medical profession, and the military surgeon in particular, has been significantly commendable in the development of both hemispheres. The challenge still exists despite the great strides made.

It is a sincere pleasure to have you with us and you have my best wishes for an enjoyable and rewarding conference.

**LELAND S. STRANATHAN**

Major General, USAF

Commander, Caribbean Air Command



## WELCOME TO ATTENDEES

I wish to join General Stranathan, Commander of the Caribbean Air Command, our host for this first important Latin American Medical Conference, in extending a warm and cordial welcome to all the attendees.

It is my hope that this Medical Conference will form the cornerstone for future meetings between our countries. In the science of medicine we have an opportunity to improve the health of the peoples of the Americas by a mutual exchange of medical knowledge.

May your visit to the Canal Zone be pleasant, inspiring and edifying.

OLIVER K. NIESS

Major General, USAF, MC  
Surgeon General

## **DISTINGUISHED DELEGATES:**

*That we are here today has been made possible only through the expenditure of tremendous and sustained effort, plus the whole-hearted cooperation of the many people involved in discharging the multitudinous details inherent in the presentation of this United States Air Force — Latin American Medical Conference. It is my hope and confident expectation that each of us here will benefit in some measure from this gathering and that through those in attendance the added knowledge garnered and good-will radiated will be conveyed to their colleagues in their respective countries.*

*Major General Leland S. Stranathan, Commander, Caribbean Air Command, has extended to you a warm welcome and the very best of good wishes. To his greetings and those of Major General Oliver K. Niess, Surgeon General of the United States Air Force, I add my own. In particular, I wish to thank you for the splendid papers and your attendance which, in the final analysis, are the factors that will make this Conference a success.*

**WILLIAM A. DeFRIES**  
Colonel, USAF, MC  
Surgeon, Caribbean Air Command

# OPENING CEREMONIES

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0840 MONDAY

26 MARCH 1962

BASE THEATRE

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## Introduction

COLONEL WILLIAM A. DeFRIES  
Surgeon  
Caribbean Air Command

## Invocation

CHAPLAIN, CAPTAIN, THEODORE M. SCHOEWE  
Base Chaplain  
Albrook Air Force Base

## Welcome

MAJOR GENERAL L. S. STRANATHAN  
Commander, Caribbean Air Command  
Albrook Air Force Base

## Response and Purpose of Conference

MAJOR GENERAL O. K. NIESS  
Surgeon General  
United States Air Force

## Opening Address

MAJOR GENERAL RICHARD M. MONTGOMERY  
Assistant Vice Chief of Staff  
United States Air Force

## Introduction of Distinguished Guests



## **GUEST LIST**

### **ARGENTINA**

Colonel Amilcar Arguelles  
Colonel Fernand Castellanos  
Major David Ibeas

### **BOLIVIA**

Colonel Humberto Rosetti P.  
Colonel Damian Irusta  
Captain San José Gutiérrez

### **BRAZIL**

Major General Benedito Pericles Fleury  
Lt. Colonel Murilo DeMoraes  
Captain Horus Vital Brasil

### **CHILE**

Brig. General Marcial Baeza M.  
Major Ramon Herrera  
Major Sergio Jara

### **COLOMBIA**

Major Luis A. Castilla

### **COSTA RICA**

Major Carlos Rodo Duverran  
Dr. Arturo Romero  
Dr. Elfren Solano

### **DOMINICAN REPUBLIC**

Major Francisco Del Rosario Diez Sosa  
Captain Eliseo Randon Sánchez  
Lt. Luis Cervando Morel Puerie

### **ECUADOR**

Major Sixto Valdéz

### **EL SALVADOR**

Dr. Carlos Humberto Figueroa  
Dr. Fernando Berrios Escobar  
Dr. Santiago Hernández

#### **GUATEMALA**

Major Oliverio Sierra  
Captain Juan Paiz

#### **HONDURAS**

Lt. Colonel Abraham Riera H.  
Captain René Cervantes  
Lt. Roberto Villalobos

#### **MEXICO**

General Raúl Torres  
Lt. Colonel Víctor Manuel Vargas Elías  
Major Carlos Romo Caballero

#### **NICARAGUA**

Colonel Egberto Bermúdez  
Captain Oscar Martínez C.  
Captain Moisés Ruiz G.

#### **PARAGUAY**

Colonel Raúl B. Torres  
Major Oscar M. Bedoya

#### **URUGUAY**

Colonel Francisco L. Sureda  
1st Lt Rubén Hernández  
Mr. Eresmundo Peralto

#### **VENEZUELA**

Major Lorenzo Mercado Carvajal  
Captain Romero Puiz  
Captain José Antonio Carrasquel Rodríguez

# PROFESSIONAL PROGRAM

MONDAY, 26 MARCH 1962 — Base Theater

MODERATOR: Major General A. L. Jennings,  
Directorate of Professional Services  
Office of the Surgeon General, USAF

0940—Modern Drug Therapy

Arthur Grollman, M.D.,  
Chairman, Department of  
Experimental Medicine,  
Southwestern Medical School  
University of Texas,  
Dallas 35, Texas

1000—The Role of the Physician in  
the United States Air Force

Colonel Andres J. Oliver,  
Surgeon, Air University,  
Maxwell Air Force Base, Alabama

1020—Carcinoma in the Indian  
Population of Guatemala

Major Oliverio Sierra,  
Chief Flight Surgeon,  
Director G.A.F. Hospital,  
Air Force of Guatemala

## SPACE MEDICINE

1040—Atlantic Missile Range

Major General Leighton Davis,  
Commander, Air Force Missile  
Test Center,  
Patrick Air Force Base, Florida

1100—Physio-Pathologic Implications of  
Chronic Weightlessness

James G. Gaume, M.D.,  
Chief, Life Support Systems,  
Denver Division, Martin Marietta,  
Denver 1, Colorado

1120—Military Problem of the Inha-  
bitation of Confined Spaces

Colonel Hamilton B. Webb,  
551 USAF Hospital,  
Otis Air Force Base, Massachusetts

## SPACE SYSTEMS — ENGINEERING SUPPORT

MODERATOR: Mr. Jack Records  
Program Manager,  
Mission Assurance Program for Apollo,  
Defense Systems Department,  
General Electric Company,  
Syracuse, New York

1140—Medical Electronics Support

—B. Sparks,  
R. S. Grisetti,  
—L. Wechsler,  
Defense Systems Department,  
General Electric Company,  
Syracuse, New York



**MONDAY, 26 MARCH 1962 (Contd)**

**1200—Bioastronautics in Applied  
Engineering Programs**

Romney Lowry, M.D.  
The Boeing Company,  
Seattle 24, Washington

**1220—Bioastronautical Considerations  
of Early Manned Space Flights**

Toby Freedman, M.D.  
North American Aviation, Inc.,  
International Airport,  
Los Angeles, California

**MODERATOR:** Brigadier General Raymond T. Jenkins,  
Director of Plans and Hospitalization  
Office of the Surgeon General, USAF

**AVIATION MEDICINE**

**1240—Current Concepts in the  
Pathology Investigation of  
Human Factors in Aircraft  
Accidents**

Colonel Frank Townsend,  
Captain H. Davidson,  
Captain R. Chubb,  
Armed Forces Institute of Pathology,  
Washington 25, D. C.

**1300—Lunch**

**TUESDAY, 27 MARCH 1962 — Base Theater**

**MODERATOR:** Brigadier General Raymond T. Jenkins,  
Director of Plans and Hospitalization,  
Office of the Surgeon General, USAF

**AVIATION MEDICINE**

**0840—Recent USAF Experience with  
Inflight Dysbarism**

Lt. Colonel Charles A. Berry,  
Captain Myron R. Smith,  
Office of the Surgeon General,  
United States Air Force,  
Washington 25, D. C.

**0900—Levels of Excretion of Plasma  
Steroid By-Products (17-Hydroxy-  
corticosterone, 17-Corticosteroids  
and Hippuric Acid) in Diverse  
Situations of Stress Provoked  
by Sensomotor Activity, Hypo-  
xemia, Acoustic Stimulation,  
Visual and Confinement Stimulation**

Colonel A. E. Arguelles, D.M.,  
Major D. Ibeas, D.M.,  
Lt Colonel C. R. Puga, D.M.,  
Air Force of Argentina

**0920—Aircraft Noise, Base and  
Community Considerations**

Colonel Lee B. Grant'  
Office of the Surgeon General,  
United States Air Force,  
Washington 25, D. C.

**TUESDAY, 27 MARCH 1962 (Contd)**

**0940—Aeronautical Medical  
Examinations in Bolivia**

Colonel San Humberto Rosetti P.  
Surgeon General,  
Air Force of Bolivia

**1000—Coffee Break**

**MODERATOR:** Colonel Charles P. Alexander  
Commander  
4500 USAF Hospital  
Langley Air Force Base, Virginia

**1020—Nuclear Radiation Sources  
for United States Military  
Research**

Colonel Robert H. Holmes,  
Defense Atomic Support Agency,  
Washington 25, D. C.

**1040—Radiant Energy—Its Importance  
to the Visual Mechanism**

Colonel Richard S. Fivott,  
United States Air Force Academy,  
Colorado Springs, Colorado,

**1100—Nuclear Power — Peaceful  
Uses — Hazards**

Lt Colonel D. I. Livermore,  
Office of the Surgeon General,  
United States Air Force,  
Washington 25, D. C.

**1120—Space Travel: Comments on the  
Hazard of Ionizing Radiation**

Major L. T. Odland,  
University of Rochester,  
Rochester, New York

**1140—Armies in Latin America and  
Activities in the Health of the  
Country in Conjunction with  
the Acción Cívica Militar**

Major Oliverio Sierra,  
Chief Flight Surgeon,  
Director G.A.F. Hospital,  
Air Force of Guatemala

**1200—Pulmonary Cancer**

E. P. Shirokov, M.D., F.A.C.S., F.A.C.C.  
Gorgas Hospital,  
Canal Zone,  
Presented by Gunar Medins, MD.

**1220—Cosiderations on the Establish-  
ment of a Blood Bank and  
Agricultural Farms in the Small  
Armies of Latin America**

Doctor Carlos H. Figueroa,  
Doctor Santiago Hernández A.,  
El Salvador

**MODERATOR:** Brigadier General Larry A. Smith  
Director of Medical Staffing and Education  
Office of the Surgeon General, USAF

**PREVENTIVE MEDICINE**

**1240—Current Status of Immunization**

Colonel H. Ellingson,  
Commander, Medical Service School,  
Gunter Air Force Base, Alabama

**WEDNESDAY, 28 MARCH 1962 — Base Theater**

**MODERATOR:** Brigadier General Larry A. Smith  
Director of Medical Staffing and Education  
Office of the Surgeon General, USAF

**PREVENTIVE MEDICINE**

**0840—Clinical and Laboratory Studies of Yellow Fever in Costa Rica**  
Dr. Arturo Romero López,  
Director, Department of Health,  
Ministry of Public Health,  
Costa Rica

**0900—Epidemiology of Infectious Hepatitis in a Military Environment**  
Lt Colonel Hugh Randel,  
School of Aerospace Medicine,  
Brooks Air Force Base, Texas

**A PRELIMINARY REPORT OF AN OUTBREAK OF LEPTOSPIROSIS AMONG  
U. S. ARMY TROOPS, FORT KOBBE, CANAL ZONE, NOV.-DEC. 1961**

**0920—Clinical Aspects**  
Captain Carlton G. Reiley,  
Dr. Ronald Meckenzie,  
Dr. Evert Bruckner,  
Middle America Research Unit,  
U.S. Division of Veterinary Medicine;  
Bureau of Health, Canal Zone Govt;  
Office of the Surgeon General,  
Hqs U.S. Army Caribbean

**0930—Epidemiologic Aspects**  
Dr. Ronald Mackenzie,  
Dr. Evert Bruckner,  
Dr. Nathan Gale,  
Middle America Research Unit,  
U.S. Division of Veterinary Medicine;  
Bureau of Health, Canal Zone Govt;  
Office of the Surgeon General  
Hqs U.S. Army Caribbean

**0940—Etiological Aspects**  
Dr. Nathan Gale,  
Major Vernon Tipton,  
Dr. Aaron D. Alexander,  
Middle America Research Unit,  
U.S. Army Medical Research Unit  
(Panamá);  
Division of Veterinary Medicine;  
Bureau of Health, Canal Zone Govt;  
Office of the Chief Surgeon,  
Hqs U.S. Army Caribbean

**0950—Incrimination of Bats as Reservoirs with HISTOPLASMA CAPSULATUM in Panama and the Canal Zone. "A Progress Report"**  
Mrs. M. H. Shockeyette,  
Major F. H. Diercks,  
Sgt. H. B. Kelley,  
Middle America Research Unit and  
U.S. Army Medical Research Unit  
(Panama)

**MODERATOR:** Colonel Edward Sigerfoos, MC, USA  
Director  
Gorgas Hospital, Canal Zone



**WEDNESDAY, 28 MARCH 1962 (Contd)**

- 1010—**Modern Trends in Tympanoplastic Procedures** Colonel James Lett,  
USAF Hospital Lackland,  
Lackland Air Force Base, Texas
- 1030—**Coffee Break**
- 1050—**Medical Education and Training the Reserve Forces, United States Air Force** Colonel Thomas A. Collins,  
Office of the Surgeon General,  
United States Air Force,  
Washington 25, D. C.
- 1110—**Medical Management Concepts in the Reserve Forces, United States Air Force** Colonel George M. Leiby,  
Lt Colonel Willard Smith,  
Office of the Surgeon General,  
United States Air Force,  
Washington 25, D. C.
- 1130—**Open Treatment of Fractures** Colonel Earl W. Brannon,  
USAF Hospital Lackland,  
Lackland Air Force Base, Texas
- 1150—**Medical Problems of Space Flight** Colonel John P. Stapp,  
School of Aerospace Medicine,  
Brooks Air Force Base, Texas
- 1210—**Summation and Closing Remarks** Major General O. K. Niess
- Benediction** Chaplain Captain R. L. Ziegler,  
5700th Air Base Group,  
Albrook Field Force Base