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INFORMATION BROCHURE
FOR THE
SECOND ANNUAL SYMPOSIUM
ON THERMAL INJURY

8-9 December 1954

Jointly Sponsored By
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U. S. NAVAL RADIOLOGICAL DEFENSE LABORATORY
San Francisco, California

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PROGRAM SCHEDULE
FOR THE
SECOND ANNUAL SYMPOSIUM ON THERMAL INJURY
8-9 December 1954

Morning -- First Day

- 0830 - 0900 Registration
0900 - 0905 Welcome by Captain R.A. Hinners, Director, USNRDL
0905 - 0910 Address by Captain K.V. Dawson, Commanding Officer,
ONR, San Francisco
0910 - 0915 Introductory remarks, E.L. Alpen

Clinical Analysis of Problems in the Treatment of Severe Burns

- 0915 - 0955 Lt. Col. Curtis P. Artz -- Problems of Septicemia in
Burns
0955 - 1035 B.W. Haynes - Experiences with Fluid and Electrolyte
Therapy
1035 - 1045 Coffee Break
1045 - 1125 Oliver Cope -- Endocrine Responses and the Endocrine
Therapy of Trauma
1125 - 1210 Discussion -- Participants: Oliver Cope
B.W. Haynes
Lt. Col. Curtis P. Artz
Eric Reiss

- 1210 - 1300 Lunch at Officers' Club, Building 106
1300 - 1400 Tour of NRDL Burn Laboratories

Afternoon -- First Day

Pathology and Physiology of the Local Skin Lesion

- 1400 - 1420 W.T. Ham -- Flash Burn Studies in Volunteers
1420 - 1440 J.D. Hardy -- Studies on Thermal and Optical Properties
of Skin
1440 - 1500 George Mixter -- Thermal Protectivity of Fabrics as De-
termined by the Use of White Pigs
1500 - 1510 Coffee Break
1510 - 1530 J. Thomas Payne - Observations on Lipid Changes in
Acute Thermal Injury
1530 - 1550 Philip Price -- Local Bacterial Invasion in Burns
1550 - 1610 Captain A.R. Behnke -- Surface Area-Weight Relationship
in Mammals
1610 - 1700 Discussion -- Participants: E.L. Alpen
J.D. Hardy
George Mixter
Philip Price

Morning -- Second Day

Studies on Burn Shock.

- 0845 - 0910 Ralph W. Brauer -- Studies on Plasma Expanders in the
Perfused Isolated Rat Liver
0910 - 0930 G. W. Warner -- Early Circulatory Changes Following
Experimental Thermal Injury

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0930 - 0950 Miles D. McCarthy -- Effect of Adrenocorticotropic and Adrenocortical Hormones on Ten Day Survival Following Severe Thermal Injury in the Rat

0950 - 1020 Discussion -- Participants: Nello Pace
Miles D. McCarthy
E. L. Alpen
J. U. Schlegel

1020 -1040 Coffee break

Metabolic and Nutritional Disturbances

1040 - 1100 William Lee -- Alterations in Plasma Protein Synthesis in Burned Rats

1100 - 1120 William Goldwater -- Serum Lipoprotein Changes in Burned Dogs

1120 - 1200 Discussion -- Participants: Oliver Cope
I. S. Edelman
Eric Reiss

1200 - 1300 Lunch at Officers' Club, Building 106

Afternoon -- Second Day

Electrolyte Physiology

1300 - 1320 J. U. Schlegel -- Studies in Post Traumatic Salt Retention

1320 - 1340 Eric Reiss -- Electrolyte Patterns Following Severe Thermal Injury

1340 - 1400 B. W. Haynes -- Renal Function after Burn Injury

1400 - 1430 Discussion -- Participants: Paul Doolan
I. S. Edelman
J. U. Schlegel

1430 - 1440 Coffee break

Hematology

1440 - 1500 A. K. Davis -- Iron Turnover in the Burned Dog

1500 - 1520 S. Birkeland -- Some Studies in Red Cell Turnover

1520 - 1540 Miles D. McCarthy -- Blood Corpuscular Changes Following Severe Thermal Injury in the Rat

1540 - 1600 Daniel M. Jones -- Acute Destruction of Erythrocytes in Radiant Energy Burns of Rats

1600 - 1700 Discussion -- Participants: Oliver Cope
B. W. Haynes
Lt. Col. Curtis P. Artz

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LIST OF PARTICIPANTS
IN
SECOND ANNUAL SYMPOSIUM ON THERMAL INJURY

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- Alpen, Dr. Edward L., Head, Thermal Injury Branch, Biological and Medical Sciences Division, U. S. Naval Radiological Defense Laboratory, San Francisco 24, California
- Artz, Lt. Col. Curtis P., Director, Surgical Research Unit, Brooke Army Medical Center, Fort Sam Houston, Texas
- Behnke, Captain A. R., Radiological Medical Director and Acting Head, Biological and Medical Sciences Division, U. S. Naval Radiological Defense Laboratory, San Francisco 24, California
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- Hansen, Major Carl L., Jr., Deputy Surgeon, Armed Forces Special Weapons Project, Department of Defense, Washington 25, D. C.
- Hardy, Dr. James D., Scientific Director, Aviation Medical Acceleration Laboratory, U. S. Naval Air Development Center, Johnsville, Pennsylvania
- Harper, Dr. Harold A., Associate Professor of Physiological Chemistry, University of California, University Hospital, The Medical Center, San Francisco 22, California
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