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Report/Article Title Agenda: Conference on the Health-Related Effects of Exposure to Agent Orange, September 27-28, 1979, Hospitality House, Arlington, VA, dated September 19, 1979, accompanied by hand-written notes

Journal/Book Title

Year 1979

Month/Day

Color

Number of Images 18

Description Notes

9/18/79

Agenda
Conference On The Health-Related Effects
Of Exposure To Agent Orange
September 27-28, 1979
Hospitality House, Arlington, VA

September 27, 1979

<u>Time</u>	<u>Topic</u>	<u>Speaker(s)</u>
<u>Dr. Richard Levinson, Presiding</u>		
8:00-8:15 AM	Welcome from VACO	Dr. Paul Haber
8:15-8:30 AM	Remarks by the Administrator	Mr. Max Cleland
8:30-8:45 AM	Introduction to Conference	Dr. Richard Levinson
8:45-9:30 AM	The Chemistry, Toxicology and Metabolism of Agent Orange Constituents	Dr. John Moore
9:30-10:15 AM	The Toxicology of Agent Orange Constituents in Animals	Dr. Renate Kimbrough
10:15-10:30 AM	Coffee Break	
10:30-11:15 AM	Environmental Effects of Agent Orange Usage During the Vietnam War	Major Alvin Young

11:15-12:00 PM	Known Human Health-Effects of Agent Orange Constituents	Dr. Raymond Suskind
12:00-1:00 PM	Lunch	
	<u>Dr. Gerrit Schepers, Presiding</u>	
1:00-1:45 PM	Approaches to the Epidemiological Study of the Effects on Humans of Agent Orange	Dr. Cedric Garagliano
1:45-2:30 PM	Suggested Approaches to the Diagnosis of Phenoxy-herbicide Toxicity in Humans	Lt. Col. William Wolfe
2:30-2:45 PM	Coffee Break	
2:45-3:30 PM	How Vietnam Veterans View the Agent Orange Issue	Mr. Frank McCarthy Mr. Ron DeYoung
3:30-4:00 PM	General Discussions	
4:00 PM	Adjourn	

September 28, 1979

<u>Time</u>	<u>Topic</u>	<u>Speaker(s)</u>
	<u>Dr. John Castellot, Presiding</u>	
8:00-9:00 AM	Summary of the VA's Program to Evaluate the Effects of Agent Orange On the Health of Vietnam Veterans	Panel: Drs.Castellot, Haber, Levinson and Schepers
9:00-9:45 AM	VA's Program for Evaluation of Radiation Exposure Among Veterans	Dr. James Smith
9:45-10:00 AM	Coffee Break	
10:00-11:00 AM	Future Investigative Approaches to the Evaluation of the Effects on Human Health of Environmental Contaminants	Dr. Raymond Suskind
11:00-12:00 Noon	General Discussions	All Participants
12:00 Noon	Adjourn	

NOTES - 27-28 SEP 79

VA Physician Conference, Washington DC.

John Moore - General awareness for

30 yrs - but only in

the last ten years

Have we grasped a

relative understanding

of the effects

of

Am't of TEDD in milk as

proportionate to body

ORGAN WT EFFECTS

Thymus

Spleen

Liver

Heart

Adrenals

Kidney

Testicle

* Relative

↓ ↓ ↓ ↓

↔

↑

↔

↔

↔

↓

↓ but loss reflected
in testes

Judkie monkey - Especially notably

so thymus ~~is~~ involuted,

& ~~is~~ demodulic complications

and bile duct hyperplasia.

Lymphocyte
Populations
in spleen
(T-cell
counted)

P-480

ICD - Extrapolated half-life from animal studies to man \rightarrow 4-6 weeks ~~ICD calculation~~

Carcinogen in the rats. Fall study ~~was~~ will extend the methodology to mice.

3. larvae - Carcinogen within animal species but many between species.

2. Toxicity - Carcinogen with enzyme induction

1. Toxicity - ~~Depends~~ ^{Positive} upon chromosomal

De Kimbrough

LD50 in White Rats

- TODD 0.02 mg/kg
- Meprobamate 66 mg/kg

Proteoglycan ⁱⁿ Early on a mild effect on liver, can increase in vivo phosphorus.

liver microsomal enzyme inducers

Effect on blood, serum enzymes etc. at 10 mg/kg ¹⁻²⁸⁰

- SGPT ↓
- bilirubin ↑
- SGOT ↓
- blood-glucose ↓
- blood serum protein ↓
- thrombocytopenia
- lymphopenia

In Plasma Makeup

- 58 mg (~1.2 mg/kg) 3 min exposure 17-~~butyl~~fractal ↓
- 11.8 mg bromates 3/6 ~~concentrated~~ ^{2 absorbed} ↓
- proges tone ↓

Animals will not even follow any source disease

In female rats: squamous cell carcinoma of the nasal turbinate and of the lung.

hepatocellular carcinoma in female rats - same animals that had tumors

Incidence	Type of tumor	Dose $\mu\text{g}/\text{kg}/\text{day}$
2/80	Hepatocellular	0
11/48	Hepatocellular	0.1
2/50	carcinoma	0.01
0/50		0.001

mic - 100 $\mu\text{g}/\text{kg}$ - 10 $\mu\text{g}/\text{kg}$ b.w. TCD

Actual malformations have only been shown in the uterus - this is distinguished from hepatocarcinoma

no malformations in fetuses at HESSE



Students

~~1949~~ Intro W.V.
MAR 1949

122

1949
122
116 + 55

~~238~~

32 death complications

277 - from

948 - 1968

Mortality 32 US. 40 expected

Cohorts - 1

Exposed &

200

History of genome
and/or systemic
problems

2.

NO history of gene
but exposed

200

3.

no exposure

200

437

LOCATION of #23 to different SOURCE of TCDD - e.g., Municipal ~~Incinerator~~

BOB DeYOUNG/CAVEAT

The problem is that he is classifying all Vietnam VETS as suspect of VA & "FEDS"

ST LOUIS - Southern Ill. UNIVERSITY
600 Phone calls in 2 WEEKS

Colo. Poll 83%

Numbness

Nervous Disorders

Psych. Disorders

89%

Skin Rashes

Alteration of Sex Drive

CANCER

BIRTH DEFECTS

Asthenia

Media Dissemination of DATA - Self Selection

→ VET-LINE HOT LINE
78 COMPILLED STUDIES

Bob DeVaus

13 SEP 79 - STARS & STRIPES

~~██████████~~
ANTENNIA VALLEY

LONG STAIRS
" NO RECORDS "

POISON BOWS
POISON USED FROM

ANAMA

FORT POPE

FORT LEWIS

CHARUTE

VA Problem Solving Efforts

Advisory Committee on Health Effects of Herbicides
Steering Committee on Health Effects of Herbicides

1. Attempt to assess impact of situation on various parts of VA
2. Coordinate VA Response
3. Provide Advice on Policy & Specific Issues
 - A. Establish Literature Base
 - B. Keep Field Informed of VACO Activities
 - C. Collect Info on illnesses of patients who were allegedly exposed.
 - D. Collect info on exposures.
DoD had available ^{HERIS} Tapes
DoD did not have data on troop movement from Unit histories
 - E. Every Vietnam Vet. is asked whether they were exposed. If yes, they should be examined ⁱⁿ 10-79-83 circular.
 - F. Epid study needed. 3100 reports have been collected.
 - G. Encourage Research on Problem.
 - H. Formal liaison with AFSG

Research Efforts.

① Biological Marker - 8 to 10 yrs after Exposure.

34 Biopsies

20 Study Cases

11 Non-Exposed Controls

3 Active Duty MF

Lynne LEE

21st October Meeting in Chicago.

② Tissue Collections at AFIP - Tissue Registry

Ed. 29 Sep 78

Paul LeGaris

All pathological tissue from Vet.
will be collected & examined
by AFIP

Unusual / Unusual Tumors:

Tumor at young age:

Special Tumor frequency in a given unit!

7 Surgeries

5 Autopsies

1 Serum Fluid

③ Coding of all Medical Data.

Establishment of a Agent Orange ~~to~~ Registry.

19 MAY 78 - Teletype Protocol for all VA Staff

14 Sep 78 - 10-78-214 - Formulating Procedures

16 April 79 - 10-79-83 - Requirement for Uniform Coding of data

Margaret Willbroff

- No F 10-20-GM. Cell Sheet developed
Statistical ms.

④ American System of Chromosomes Studies being
initiated.

⑤ Reason to Dad of Government's Cigarette
• Right Drug Usage in Vietnam from
DDE & E

Dates, location,
Type, Area

⑥ How many people have applied for claims.
Helm, Longman & Guitman's research on heavy
Problems 5 million claims in last 2 yrs

625.

435 - Chemical Specific Toxicity
190 - Hybrid Excess

1 Claim allowed due to Chlorine
18 Claims allowed for other reasons.
Probability claims & organized
during source or type after.

416 - Denials

207 - skin
96 - Nerve
24 - Sexual ad.
46 - Andropin

101 - Paralytic
36 - GTCV
22 - Lung
21 - ENT

Analysis of
348 claims

Research of Cancer Risks

- For ~~the~~ Disability Attributable to AQ yrs. hrs.
- Evidence of exposure during service
- Evidence of disability to that exposure
- presently exists
- 1. General Council
- 2. Public Relations

ADVISORY COMMITTEE ON HEALTH EFFECTS.

11 Apr 78 - Reported Policy Statement

- Special Advisory Set up

mediation

- Inhouse Advisory Committee

did not meet legal process

- Formal Committee was (started)

established in Apr 78

• 2 VA Reps

• Each Fed. Agency with

Responsibility or Expert

- DOD

- EPA

Dr. Mann Gross

Manufacture of Herbicides

• HEU

• NCI

• NIAS (De Henry)

• CDC

• AFU - De Brack

• VET Group - Helander

• NIEHS

• USDA

De James Smith

VA - 1979 - Nuclear Medicine Service

1975 - Spondee Claims in Vets

- who participated in A. Bomb Tests.

JAN 78 - Braden Wiffers attestations

a Vet dying of leukemia

VA, DOD, DNA developed a Protocol

Exposed to 25 rem (~ 200)

Exposed to 5 rem or more (~ 250,000)

1000 women exposed to radiation (with off bombing)

ALHA - As low as Reasonably Achievable

90% who participated in O.S - 0.8 REM

potentially exposed

250,000 → 30,000 calls

Called VA

Hospitality

Total Expense

Expense

1000 vs 1000

10000 vs 10000

10,000,000 vs 10,000,000

1 rem

10 rem

100 rem

what diseases result from cancer?
404 Propts - 176 mille

0.8% made money

200 visited VA Hospital

Dr Ray Suskind

COMPONENTS NEEDED / INCORPORATED INTO AN
APPROACH: TO ENVIRONMENTAL HEALTH:

1. EXAM BIOMEDICAL NEEDS IN
EVALUATING THE SPECIFIC ENVIRONMENTAL /
BIOLOGIC HAZARD

2. IS IT AN AGENT THAT PEOPLE HAVE
BEEN OR WILL BE EXPOSED TO?

- REVIEW OF LITERATURE TO DETERMINE
WHAT IS KNOWN.

eg., 1920s Tetraethyl LEAD

- WHAT INFORMATION CAN BE USED TO
SOLVE PROBLEMS.

3. ^{USE} TEAM APPROACH TO ENVIRONMENTAL HEALTH
RESEARCH.

4. DETERMINE INFORMATION GAPS VIA

- Frequency of clinical incidents

- Exam. Populations that may
have been exposed

- Exam. Populations of people
currently exposed?

eg., Mercury & Warburg units
in hospital.

focus on involved organs.

• Most industries have specific programs of monitoring

100,000 chemicals in U.S. environment
for which we have little or no data.

• Computer Based Programs are now available to give us an idea about the relationship between structure and biologic activity.

Any approach has to be the best Scientific

approach. Work of Physico & other ~~Scientists~~ Scientists

Don Goodspeed
Newington - Ct.

Tunnel Cigarette for many of smoke
Dry, applied to floor of tunnel
Gloves & masks

Quick with
Hammers