

CONFIDENTIAL

16 Oct 81 1003

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DEPARTMENT OF DEFENSE
JOINT CHIEFS OF STAFF MESSAGE CENTER

PTTCZYUW RUMTBKA7836 2891127
PRIORITY
P 161122Z OCT 81

FM AMEMBASSY BANGKOK

TO SECSTATE WASHDC PRIORITY 3051

INFO AMEMBASSY VIENTIANE #173	USMISSION USUN NEW YORK 4962
CIA WASHDC	WHITEHOUSE WASHDC
DIA WASHINGTON DC//	SECDEF WASHDC
CINCPAC HONOLULU HI	COMIPAC HONOLULU HI
FICPAC PEARL HARBOR HI	13AF CLARK AB RP
CDR/FSTC CHARLOTTESVIL	CHIEF OF STAFF ARMY WASHDC
CDRAARADCOM EDGEWOOD ARS MO	CDC ATLANTA GA
AMCONSUL UDORN/POUCH	

BT

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CINCPAC FOR POLAD AND J233
DIA FOR DC-4B
CIA FOR NFAC
CSA FOR DAMI-ISH
FSTC FOR DRXST-FMO AND IS1
CDRAARADCON FIR ORDAR-SE1C

EO 12065: RDS-2 10/15/01 (LEVIN, BURTON) DR-M
TAGS: PARM, SHUM, MILI, LA, TH, VM, UR
SBJ: THAI SHARE TEST RESULTS ON "YELLOW POWDER" FROM LAOS

1. (C - ENTIRE TEXT.)

2. [REDACTED] WHO HAS WORKED CLOSELY WITH US ON MATTERS RELATED TO THE INVESTIGATION OF "POISON GAS" USE IN INDOCHINA HAS PASSED US DATA SHOWING RESULTS OF A MAY 20, 1981 TEST OF A YELLOW POWDER SAMPLE FROM LAOS. HE HAD EARLIER DISMISSED THE TEST AS AN ANOMALY, POSSIBLY DUE TO AN IMPURITY IN THE SAMPLE. ON REFLECTION AFTER LEARNING OF TOXIN FINDINGS IN A US-TESTED SAMPLE, HE DECIDED TO SHARE THE DATA WITH US.

3. THE DATA COMPRISES ONE GRAPH WHICH RECORDS THAI ARMY CHEMICAL DEPARTMENT TEST OF THE SAMPLE EMPLOYING NUCLEAR MAGNETIC REASONANCE (NMR) ANALYSIS. [REDACTED] THE GRAPH SHOWS A DOUBLE BONDING AND A SPIKE EXCEEDING 20 PARTS PER MILLION. THE ACCOMPANYING THAI ANALYSIS DESCRIBES THIS SUBSTANCE AS "PROTONS IN RINGS WHICH APPEAR TO BE SIMILAR TO LONG CHAIN HYDROCARBON OR TRI-TERPENOID RING."

4. THE ENTIRE SAMPLE WAS CONSUMED IN THE TEST.

5. GRAPHS ARE BEING POUCHED TO EA/VLK FOR APPROPRIATE DISTRIBUTION. WE WOULD APPRECIATE ANY U.S. EXPERTS' EVALUATION TO SHARE WITH THE THAI.

LEVIN
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ACTION INFO SECDEF:(1) SECDEF(7) USDP(15) NMIC(1) (U.P.6.7.8)
SWS(1) DC-4B(1) AAT-X(1) DIO(1) VP-A2 FRO(1) DE(1)
DB-2(1) DB-2C(1) DB-4A(1) DB-5(1) DT-1(1) DIA(1)

36

MCN=81289/01625 TOR=81289/1128Z TAD=81289/1146Z CDSN=MIA816

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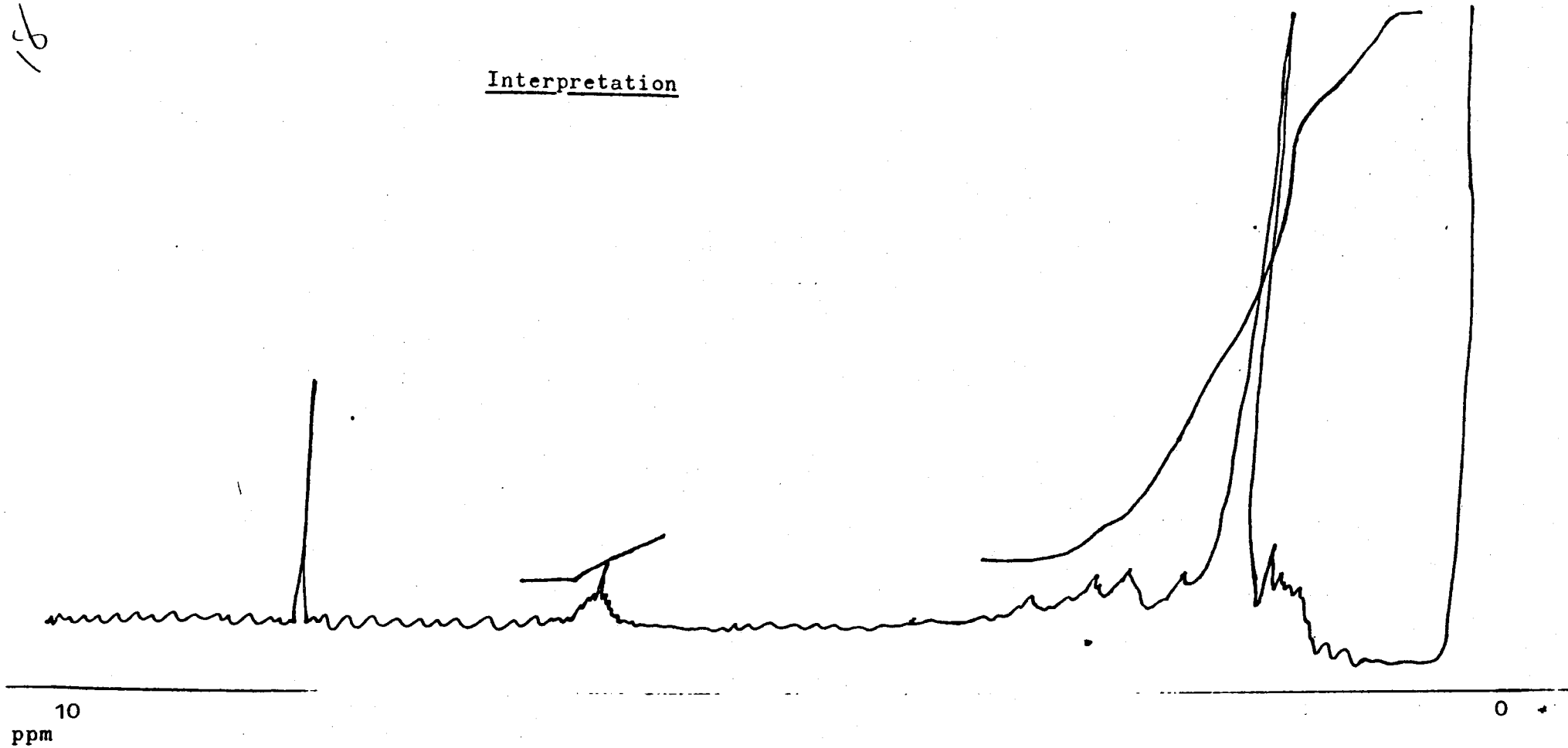
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Stall → W.P., 18/13/1966.

16/10: 61

18

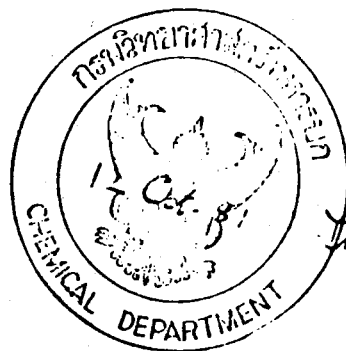
Interpretation



Ref.

Double bond.

Protons in ring which appeared to be similar to long chain hydrocarbon or triterpenoid ring.



J. P. Williams, Jr.

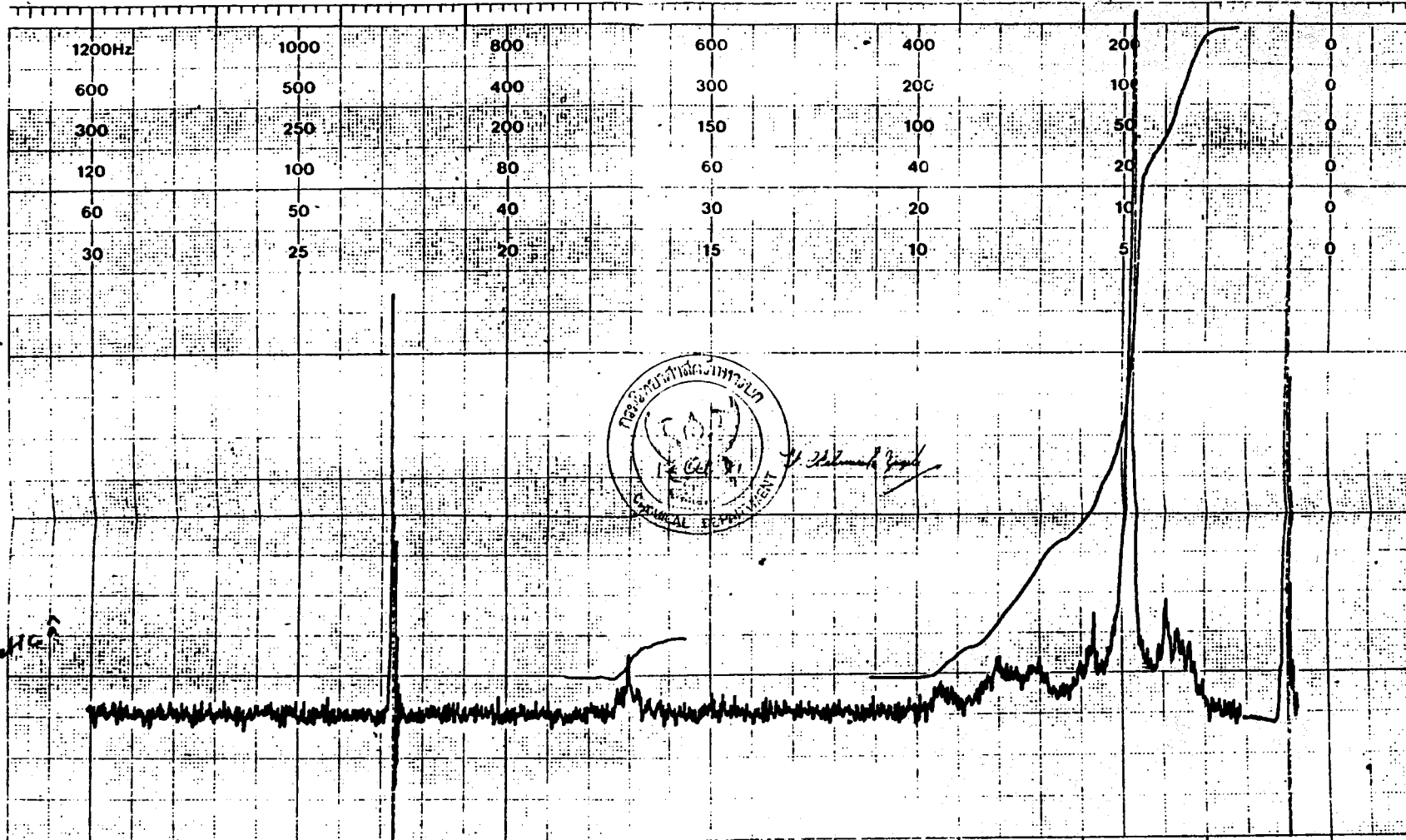
76

START OF SWEEP

→

END OF SWEEP

20ppm
10ppm
5ppm
2ppm
1ppm
0.5ppm



DMSO-d₆
Acetone-d₆
MeOH-d₄
* CCl₃
CCl₄
Trifluoroacetic



ppm (δ) 10 9 8 7 6 5 4 3 2 1 0

LOCK POS. _____ ppm SPECTRUM AMPL 5 × 10³ SWEEP TIME 5 min NUCLEUS _____ SAMPLE: _____ OPERATOR WDR

LOCK POWER _____ mG FILTER 0.05 sec SWEEP WIDTH 10 ppm ZERO REF. _____ DATE 20.5.1981

DECOUPLE POS. _____ ppm DECOUPLING POWER _____ mG RF POWER 0.1 mG END OF SWEEP _____ ppm SAMPLE TEMP. _____ °C SOLVENT: CCl₃ SPECTRUM NO. _____

12/10/87