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Folder Title: Reducing 1956 Air Samples
402542

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Bldg. 4, Rm 203

BEST COPY AVAILABLE

December 19, 1957
MDT-1167-57

Dr. C. L. Dunham
Division of Biology and Medicine
Atomic Energy Commission
Washington 25, D.C.

Dear Dr. Dunham:

We confirm our phone of 0820 PST today reporting a Berkeley UCRL air sample for the 24 hour period ending 0800 December 13th exhibiting beta-gamma emitters in excess of 5 fold background, after 72 hours decay. A subsequent 3 day sample confirms. Our Livermore Lab data were similar but of less magnitude. Verbal inquiry revealed three other California points observed increases.

Per your advice we shall continue to supply this sort of information upon occurrence.

Very truly yours,

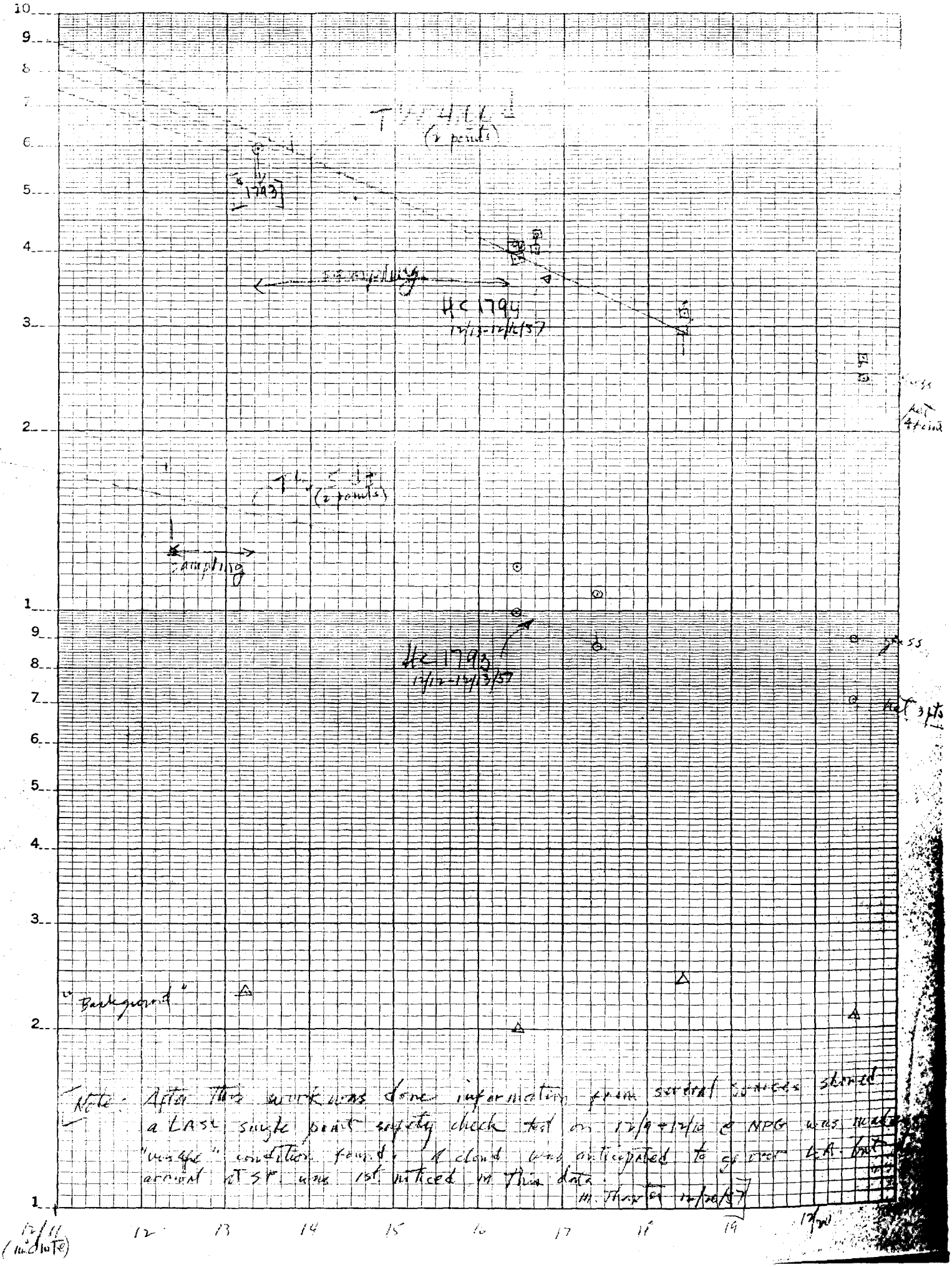
M. D. Thaxter
Health Chemistry

MDT/cg

Info cy: Biophysics Branch, DBM, AEC, Wash.DC
SFOO, AEC

cc: Wade Patterson
Dan Wilkes
MDT

see AC 1793 + 1794 air samples



Note: After this work was done information from several sources showed a LASL single point safety check test on 12/9 & 12/10 & NPG was made "unsafe" condition found. A cloud was anticipated to go over LA. but arrival at SF was 1st noticed in this data.
M. Thorton 12/20/57

Semi-Logarithmic, 3 Cycles X 60 divisions.
MADE IN U.S.A.

Lieutenant KL an

on Thur 12 — 3500 α, 1300 β-γ

off Fri 13 — 8 min decay

96 hrs decay:

meas wnt 12/17 AM wnt { γ α, β γ }

[Blgd. 26]

on 13 fresh { α 524, β-γ 530 } 8-10 min

off 16

24 hr decay or off 12/17 AM — γ 74, β-γ 304

Solid be UDM

MI 8-6900 ~45

NRDL, SF Shipyard

	Ua/cc x10^-14
Dec 2-3	422
3-4	405
4-5	433
5-6	82
6-8	103
9-10	89
10-11	138
11-12	179
12-13	ready PM 17th

3-4 fold increase 13-16th

4-5 fold Dec 11-12th

Data ready PM 12/18/57

Naval Health Bulk (Acting) 12/17 (11AM)

F. thru M/on sample (Dec 13 – 16 inc)

~ 3x usual β's.