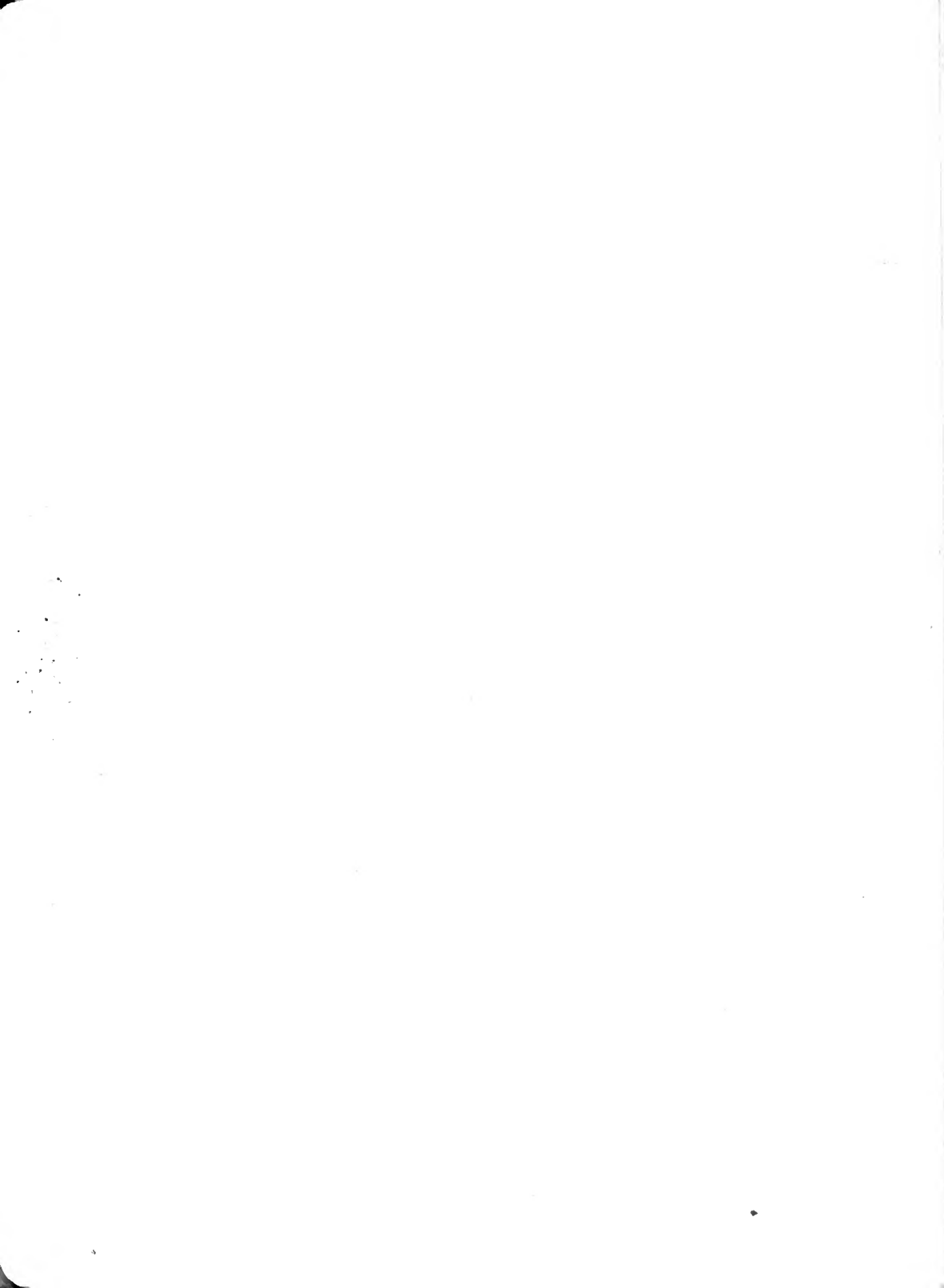


Pharmacology Notes I  
pp 1-200

**LABORATORY NOTEBOOK**





Notebook closed, July, 1979

Notebook copied August 1979

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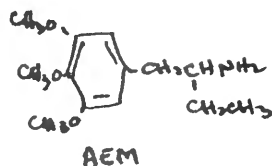
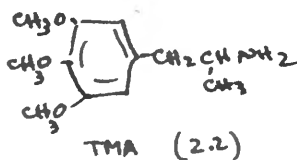
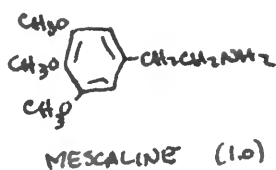
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## INSTRUCTIONS

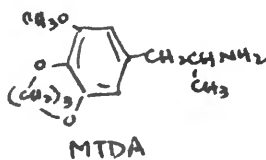
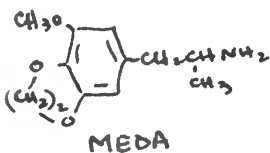
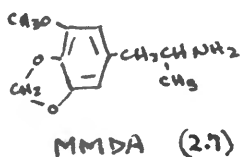
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Common Names and Potency in mescaline units ( )

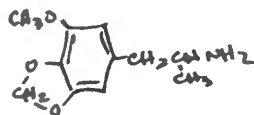
Homologs:



Cyclics:

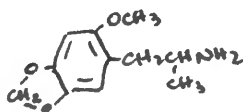


Isonars:



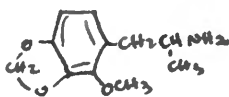
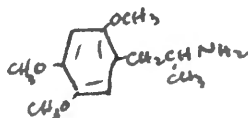
MDMA (2.7)

TMA (2.2)



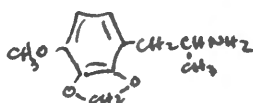
MDMA-2

TMA-2

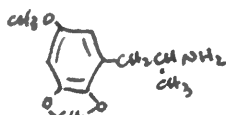


MDMA-3a

TMA-3

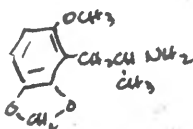
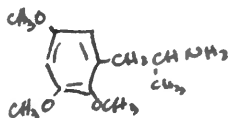


MDMA-3b



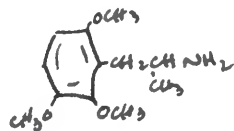
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TMA-4

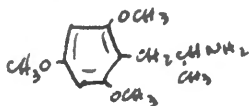


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TMA-5



TMA-6



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≡ MMM (TMA-2) (page 54, 55, 64)

EMM (see S-1502) (page 60)

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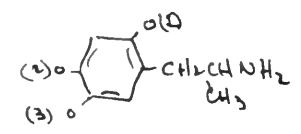
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4BR →



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}  
DMA  
}

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x  
x  
x.

# Subjective responses to Mescaline.

4/15/60

Date 4/16/60 Subject Dr. Sorenson, Alfred.

DOSE 0.450 g. mescaline sulfate in water - preceded by 0.050 g. marijuana one hour earlier. Slight bitter taste - but unobtrusive.

CHRONOLOGY After 0.5 hrs. subjective intoxication - 0.7 hrs first nausea successfully subsided - at 1.5 hrs end of nausea - confusion - slight speech difficulty - 1.5 hrs. first signs of movement and color distortion - 2.0 hrs. drug effect at maximum and remains there until 4.0 to 5.0 hrs. At 6.0 hrs. first noticeable signs of clarity from drug effects - at 8.0 hrs. only slight symptoms remain - essentially normal. Visual (color) still occasional color distortions but very difficult to objectively distinguish from normal responses.

HALLUCINATIONS Eye color: - none - within the subject's vision of a normal eye being a synthetic vision or vision from a distant source to the immediate field of view. There was certainly some color distortion.

Eye color: - world of motion and color - movement of eye - objects including clouds in distance color usually contain from dark to shades of blue and purple through green or red - some to light shades of pink and red. Some occasional distortions, either in the form of colored motion or light (usually passing from white to light blue in rectangularly configurations that may show with erotic suggestions. Pictic stimulation with eye seem to be helpful. Turning the head to the drug's effect, occasional fields of color and motion, without appreciable motion or distortion.

4/18/60

VISUAL DISTORTION

is usually not noticeable after the first 1/2 hr. to 1 hour. S.O. C. v. i. i.

→ DEPTH PERCEPTION Shows wherein objects are moving toward or away as a passenger in a car. The illusion that the buildings along-side the street and the sidewalk, are receding down to top of eye, is remarkable. One tends to lean toward ground objects on the horizon, as to try to come so yourself into a ground level out of horizon eye. Even in judgment as to the conventional side so most things in a conventional world are on a nearly level surface. In vision in abstract painting, the artist is quite a distance because distance (usually naturally) is a line color that has a depth as a relative variety of areas, and the artist's vision assumes a three dimensional world that tends to expose the mechanics of the artist. There is also a noticeable illusion in natural and social perception factors being seen in detail, and one can discern fine structural detail of nearby microscopic materials (especially accurately, as verified by revisiting and re-viewing objects seen). The billi of leaves and flowers are seen in revealing detail, without effort.

→ MOTION PERCEPTION Very striking. Both inanimate and animate objects (although motionless) may be seen to be in rapid and continuous motion. It seems to be impossible to anticipate which objects will be seen next in motion. Peoples faces may seem to distort and proceed into different shapes. A known leaning down a car with cause the car to be pushed rapidly into the ground. On closer inspection, the car which is rapidly descending into the ground is of course not moving, but

4/18/60

the wheels are rotating in a direction which resists the cars descent. This all seems real, continuous and logical. Watching the leaves of a plant from a distance, when the sun moves so as to fall upon them, they appear to raise themselves continuously towards the sun. As they fall into shade, their upwards motion is replaced with a down wards curving, continuous, as if to hurt into a ball. Close inspection shows that they have, of course, not lifted, but are actively knitting. The concept of continuous motion is not contradictory with the observation that when a brownest period is over, they are indeed in essentially the same position, but still knitting.

→ COLOR PERCEPTION Visual striking. The slightest differences in color may be (near white) amplified to extreme contrast. Very subtle can become very loud in intensity. Saturated colors are often unobserved, but are surrounded with cascades of new colors trickling over the top. Subjective in color, rather, the only known differences in shades, is a remarkable reward for driving or walking through the country.

→ THE PERCEPTION Visual. Subjective time is suspended. What seem like a half-hour of continuous observation occupies only perhaps five minutes. The noise seems to be lower pitched, and almost casual or indifferent in its content.

→ INTERPRETATION During the initial phase of intoxication (2-3 hrs) everything seemed to have a humorous interpretation. Peoples ~~the~~ faces are in clear view; small cars seem to be chasing

4/18/60

longer car - which is an exciting source we  
 seemed to have. One would seem to  
 look like a good one, given in regard to  
 another source we had. The man  
 seems very good.

PARSICH Coordinations

There is a definite, a great decrease in  
 physical coordination. An attempt was  
 made to make the car (on a stationary  
 instrument, using a stationary device) which  
 was successful, except for an extreme  
 irregularity and control. On the part of  
 a continuing instruction (approaching car  
 should turn into a horizontal line on  
 the right) the car was brought nearly to  
 a standstill to permit the mechanical problem  
 to solve. The person who was instructed, as  
 one was forced to withdraw from the effects  
 of the very (perhaps?) and that to see  
 things in 15-20 sec. The period required  
 required for the operation to gain full  
 control. One hopes to control, not participate  
 in the proceeding world.

One action, while operating a rather steep  
 path, I chose to reverse my direction, and  
 reversed a turn such climb, in some and sharp  
 dirt, with completely no other ability. It would  
 seem that in the event of necessary action or  
 self-defense - one could and would render  
 nearly full coordination.

During the introductory phase, there is some sharp  
 distortions (similar to similar). This effect seemed  
 to last well into the primary stage.



Continued from page 3.

4/18/60

## MENTAL COORDINATION

Here there is a considerable disturbance. Philosophical problems seem to admit simple and rather obvious solutions. One does not wish to dwell for long on any one concept, however. It is possible to discuss one thought with the observer, but it seems that the observer is merely tolerating one's views, but does not follow your reasoning. It is preferable to discuss them quietly. There was observed an extraordinary dissociation of mind and body. One can look out over the landscape and think along the line of sight. It is as if one were as far as thinking is concerned. To bring one's eyes around and look on various one thing, but in the other direction. The body seems incidental to the mind's line of sight, but the mind is not (detached) from the body. One does not allow it to come to harm. It is a real possibility however, though a somewhat unlikely mental function. It is very difficult to concentrate on anything at once. One can forget and forget is too extreme and dangerous - one can look at the details -

## MENTAL ATTITUDE

One of the most disturbing effects of this drug is the extreme aversion felt for all small things - a stone, a flower, an insect. I believe that it would be impossible to harm any thing during the effect, and to commit an overt harmful or painful act upon anyone or any thing is beyond one's abilities. One cannot think a

Continued from page 3.

4-18-60

flower - and must be watered upon a gravel path requires one to pick her his footing carefully to avoid walking on disturbing the stems.

One tends to feel somewhat conspicuous in a larger group of people, although according to the teacher, her opinion is quite proper although a little cautious or reserved. As to mental association one is content to observe at length, to contemplate nature in detail, and in an somewhat reclusive, withdrawn, and unexcitable.

### GENERAL COMMENTS

The overall effect is very pleasant - the desire is strong to repeat the experience in both possible ways (to include parents to be able to see) and in larger ones. Also to repeat the experience with a variety of external stimuli - with music or lights for contemplation - at the beach - at night. There is complete recall of all experiences and thoughts, after the way has been completed. The feeling of comfort, introspection, and tranquility that remains afterwards may indeed have an effect deep after the treatment. One feels that this feeling may be prolonged and further enjoyed upon repeated usages. Such a change would be most desirable in many personalities - and may represent a therapeutic value for the drug in cases of anxiety and tension.



Substrate: meso-LSD = TMA.

4/13/60

4/13/60.

Subject: 20-year-old female, 160 lbs, 0.22 mg/kg  
single dose - no noticeable effect, moderate  
& low.

4/15/60

Subject: 20-year-old female, 160 lbs, 0.22 mg/kg  
single dose, 15 min - no noticeable effect of  
resonance - low dose (within 10 minutes)  
- normal pressure in brain during test (posterior  
of 100 mmHg) - no change in respiration or pulse.

TMA-1

eq.

1 - (A.C.)	120 mg (1.5 mg/kg)	50g LSD
2 - (A.D.)	150 mg (2.5 " )	75-100 "
3 - (A.E.)	180 mg (2.5 " ) + $\left[ \begin{matrix} 80 " \rightarrow (3.5 " ) \\ (-230mg) \end{matrix} \right]$	100-150
4 - (A.F.)	180 mg (2.8 mg/kg)	100g
5 - (A.G.)	200 mg (2.8 " )	"
6 - (A.H.)	200 mg (3 mg " )	"
7 - (A.I.)	150 mg (2.7 " )	75-100g
8 - (A.J.)	150 mg (3 mg " )	100-150 g
9 - (A.K.)	180 " (3 " )	"
10 - (A.L.)	180 " (2.8 " )	150 "
11 - (A.M.)	180 " (2.7 " )	150-200 "
12 - (A.N.)	200 " (3 " )	150 "

Remarks -<sup>1)</sup> I did not try to determine threshold  
<sup>2)</sup> Effective dosage  $\pm$  2.7 mg/kg  
<sup>3)</sup> Mesocaine-like effect: peak-experiences &  
colour effects, illusion

Objective response to TMA.

4/25/60.

Date 4/22/60

Subject

Glady's  
Hugh  
Irving

Observer

ATS.

DOSE

see page 2 - no antiemetic administered.

SUBJECT

Glady's After a short period of nausea lasting from about 0.9 to 1.1 hrs after the administration of the drug, the subject seemed to be in a good mood. There was some tendency to over-entertain an over-eat joke. Conversation seemed essentially normal - able to work a problem normally on a side note. At about 2 hrs. had to leave the quarters to talk with a visitor briefly - exhibited no incoherence in talking with him. At 2 1/2 hrs took a long walk about a mile and seemed to lack the coordination & ability to protect himself from traffic. Sitting in a row witnessed some claustrophobic and ideas of excessive distance estimation. At 3 1/2 hrs found listening to music extremely enjoyable and found he could lose himself completely in it. Would lie on the floor with his head under a blanket. Reported to exhibit cooperation with eye-closed hallucinations but could talk to the other subjects voluntarily at any time. Made the statement "If I had a little more of this drug, I could have an organ to taste music". (Strawman: Rites of Spring). Subsequent Coeplin Rites Edulis and Bach Church Organ of music seemed equally pleasurable.

He would become very irritated at the conversation of others if he was wished to attend to the music. This vocalized request to "shut up or go into another room if you want to talk" was his only aggressive symptom.

Substrate ...

4/12/60

4/13/60. ...

4/17/60 ...

4/19/60 ...

4/20/60. ...  
3 birds  
Huge  
Irving  
...  
Observed ... - 20 pages 9.

**FOLDOUT BLANK**

Continued from page 9.

4/28/60

He had very little time to eat, seemed to have very little Muscalin-like color or motion throughout. Like the subject at 8 hrs, at which time he was exhibiting withdrawal from the drug effect. Toward the report there was apparently no remaining effects at 8 hrs, although he complained (asked his wife) that he was in a groaning and irritable mood the next day.

His general impression was that his outages were with a "drugged effect" equivalent to 200 or 350 mg of Muscalin but definitely not as much as 400 mg. (i.e. 2-2 1/2 times the potency of Muscalin). When asked if he would like to repeat the experience he seemed indifferent, saying that it was interesting but he preferred Muscalin.

SUBJECT Hugh There was very nearly no visible response of this subject to his nearly equal dose of the drug. (Subject is exceptionally sensitive to the motor effect of Muscalin). At 1 1/2 hrs experimental with the putative stimulator, generating (eye-closed) patterns of palm-lean and swinging bars. Became somewhat talkative, fell into a mode of joke-telling (some what poor jokes, which he told very much, however). He seemed a little light-headed, and responded in an unusually out-going manner to questions. During the 1-mile walk he was quite aware of the muscalin-like perception of detail and commented on his (presumed) ability to sit and philosophize upon the behavior of birds (he is a bird-watcher). He felt that he would be able to remember ~~these~~ their behavior because he could correlate it to his own, and thus better



Cont. from page 9.

4/23/60

understand it. He was struck with his ability to observe his own personality objectively, and found the various components of it to be separable and isolable.

At 3 1/2 hrs. (during the music experiment) he became extremely (and annoyingly) talkative. He would discuss the origins of languages, how they are derived from the environmental needs of the people, and that perhaps languages of unknown origin could be traced by correlating basic words or word-stems, and the geographical terrain requirements. We thought were such philological exercises.

He would occasionally fall into a nod while, from which he would emerge full of concentration for a while intently - he related to his thoughts. There was no impairment of mobility - he would wander around the room. During the music, he sat in the floor and kept his eyes fixed on the ceiling (a sunny-colored surface) and found it extremely soothing in it.

Reflecting his self-description would return to the fact that his personality was divided and mixed, that he felt he could understand his psychic structure most clearly. He commented that the psychiatric use of the drug would be interesting to him.

At 6 hrs. accompanied the subject back to his car, and at 5 1/2 hrs, he felt capable of driving to San Francisco. He had no noticeable after-effects except for a slight stomach-ache the following day. No grogginess.

His general impression was that the drug was not completely pleasant, as it

Continued from page 9.

4-28-60

allowed him to intimate a view of himself. He would try the drug again only for a specific reason. However, it did reiterate his opinion that it had value in psychiatry.

SUBJECT Irving

There was no nausea experienced after turning on drug. Subject had, initially, with medication, moderately severe nausea, which decreased on two subsequent trials. At about 1 1/2 hrs he got quite happy, appreciating the current job being more than he deserved. The 4 miles were seemed to fatigue him, but there was no apparent physical lack of coordination. Of the three subjects he seemed to show the least drugged effect. On car ride evoked no unusual comments or action.

While the music was in effect, he chose to quietly lie down and observe the stereoscope, in which he viewed, but was not sure, he saw shapes and patterns. He seemed to be more interested in my reaction to his reactions, and did not choose to ignore my presence.

I left him at the 4 hour point, at which time he seemed to be withdrawing from what few symptoms he ever had.

The following day, there was no report of any after-effect, and, his general memory ~~was~~ was of an extremely light effect from the drug. He was indifferent concerning a re-trial of the drug, felt not the little effect it had didn't warrant reusing a drug.

Subject's response to TMA.

9/16/60

Date May 14, 1960 Subject ASD Observer Alfred  
HADDYS

DOSE 225 mg TMA-HCl in water (also had bitter taste)  
0.050 mg Mescaline 1 hr. before

CYCLOPSYCHY. At 0.5 hr. moderately severe nausea -  
can be referred - fades out at 1.5 hr. at 1.5 hrs  
first onsets of mescaline-like effects build up  
steadily to 2 1/2 hrs - start of intensive aggression -  
so had had down to mescaline effects with  
only occasional flashes of the intense type feeling -  
at 7 hr. mescaline effects essentially gone -  
able to drive a car rationally.

HALUCINATIONS eyes closed none eyes closed mild  
misch-aggression and color vision synthesis --  
much less than with an objective dosage of  
mescaline.

VISUAL DISTORTION In general, very dependent upon  
the individual's optical axis. During the  
course of the experiment, some channeling -  
coming to a realization was blindness at  
the distribution of volume of the drug. see  
below.

→ In the breakdown: During the short duration  
of the experiment which had the drug, the  
degree of vision seemed to close in.  
For the time, the distance were visible  
but did not exist on the conscious mind.  
One will mention to swing one's hands out  
and around to check complete submersion  
from occurring. This corresponds in time  
with, and is undoubtedly responsible for  
part of, the extreme aggressive response  
discussed below.

9/16/60

- Motor Response - very slight - some crawling on posterior surfaces - similar again to baseline.
- Color Reaction - slight. or nearly the most intense reaction (including also to it) has-never seen since made (his desire was to see to end) and the cat's had an intense red, & conjunctival blood appearance. This was entirely in part a reflexion of the numerous blood that was developing. Differs from the area quite obviously.
- Time Reaction: This was shown in comparison to the intensity of the other agents. During the 1/2 hr by intense effort, it seemed time being factors.
- Interpretation: Some noticeably seen. Audition intermittent very interesting - some under & motor attitude.

## PHYSICAL COORDINATION

There is some speech difficulties - but very little patience with these limitations. Slight rubberiness in muscles - attempts at vigorous action during the intense effects of the drug were <sup>undone</sup> ~~undone~~, were more tiring than usual. Also - there did not appear to be any experienced strength. Seeing a heavy stick against a tree - no spirit was in him, but the head neck. Minor teeth chattering.

MENTAL COORDINATION

The mind is frantically active; one is very impatient with the inability to speak easily and quickly ones ideas. One is completely aware that the effects are due to the drug, but the effects are real and cannot be ignored. Every word and motion is rapidly evaluated, and remains usually unuttered, due to concentration and time required. Response to a direct question is possible, but the suspicion are present as to the secondary motives behind the question.

MENTAL ATTITUDE

Heard his the extraordinary effect of the drug. During the early period of the drug habit, when he named, I got the document and read Bernstein's Song of Music. To me, every phrase was available to me, and I found the book exceedingly interesting. According to an observer (Alfred) I was ignorant about the music, (the words), and insisted that one had to have some knowledge of music theory, or the drug, to appreciate the work. He insisted that Bernstein had had the drug when he wrote the book (condemnation of him necessarily?).

(At about 2 hrs. I listened to music from the radio. Rachmaninoff's 2<sup>nd</sup> piano concerto was playing (with which I am quite familiar!) I curled up under a blanket in front of the radio (assumed to be subconscious form of with

9/16/60

head more or less down between legs. The feelings in this extremely pleasant period are very difficult to describe. I was associated intimately with the structure of the music. When my eyes closed, I was suspended, isolated, held by the fine filaments of the music, in a comfortable, cushioned chamber. The vigorous subito *ritorale* of the first movement was the event that motivated me to proceed. It was beautiful. After it seemed like an eternity, the movement ended, and I regained my senses, and attempted to describe the music. The 2nd movement started, and I remained under the cord table, but again in my piano exerts.

After the first there was a period of confusion, but it led into a very beautiful state (unfortunate in light of his own *voluntate*). I was intimately with the ~~music~~ music. The next selection was "Shakespeare in *Il Kacume*" (most, most, unfortunate). It was from this musical selection that I emerged in the extreme psychological state of violence.

For the next 1/2 hr. (objective) (subjectively it seemed without end) the violence of action seemed to be the only way of life. (N.S.) mentioned that she had seen many people looking down the street with the same, intense, death-come-if-you-know-anything-for-you-attitude on their faces. Apparently my dinner was murderous; no other world object to any thing that I said or cross ~~with~~ any "decision" of mine.

Continued from p. 13

9/16/60

It was in this trial that I was asked by an observer (Gladys) if I could see in it some the same ascorbic-like colors and textures that I was familiar with. I recognized the similarities. He then asked if I could hurt the flower. Without hesitation I took the blossom and crushed it in my fist, an act that would be normally most difficult to do, and which under normal conditions would be impossible absolutely impossible to do.

At one point Gladys asked me if I thought that I might do well with a crushed leaf essentially admitted that he was concerned as to the extent of my reaction to the drug, and my reaction was a veiled threat to push you down the stairs if he tried to manipulate me. He did not believe the subject.

After the intensity of this reaction was indicated, (Gladys) suggested a ride in the car, and my comment was that it wasn't really, there's a great deal of cash to invest in the firm. We went to the company's groves behind the business quarters at Cal. It was here that I discussed a big stick (D.E.) and mentioned that I would, without hesitation, scratch a grove in its yard. He inquired why I didn't, and I admitted that I recognized that I would, the next day, have to pay for the damages. It was this self-awareness that stayed my hand. That I could easily see how another person without this heavily inbred social consciousness, could easily

Continued from page 12

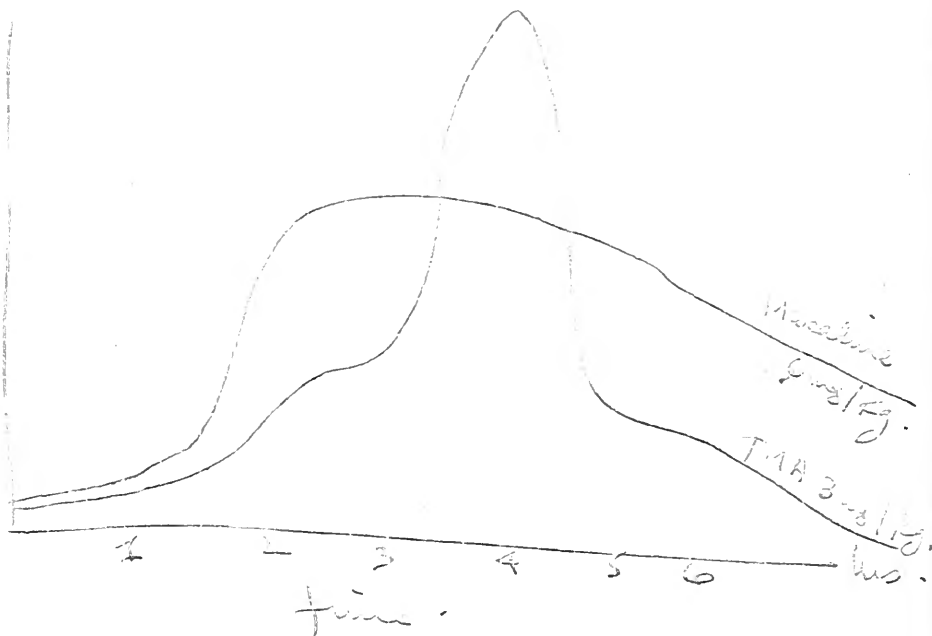
9/16/60

to a variety. At this point, I had already passed the maximum of the drug, and I could reason in this manner. If I had been informed with the same situation an hour earlier, I may very well have escaped a nasty jaundice in his hands.

### GENERAL COMMENTS:

This drug - to an extent, approximated mesorhizine in its effects. Try to compare by a graph:

Effect of  
my test.



The idea attempted to be followed is that in short such comparison, T-1A was similar to mesorhizine, but comparable to a smaller dosage. BUT; in the middle of this some what ~~uninteresting~~ uninteresting.



Continued from page 13

9/10/60 -

experiments there emerged an unexpected effect that was alien to mesorhine.

No observer can be objective. I do not know if these effects are the result of the drug -

1) creating an image of an aggressive neurotic in me; and my response can be blamed on an inherent propensity of the drug; or

2) the drug released a natural, but repressed, facet of my personality; and with another subject, the quality of the response would be completely changed.

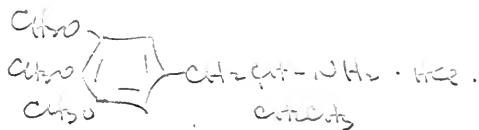
These problems can be resolved only with much more extensive experimentation.

---

DL-TMA has subsequently been employed, primarily under the eye of Hugh, in dose levels of 2.8 to 3.5 mg/kg on five assorted subjects. Without exception there was a thorough response, summarized in the Nature paper - him & Gladys

Sub-acute oral effects - AEM.

3/5/61



all oral.

3/5/61	150 mg (oral) (0.002 mg/kg)	no effect.
3/7/61	1 mg (0.011 mg/kg)	no effect.
3/31/61	2.4 mg (0.027 mg/kg)	(11hr) with bitter taste - no effect.
	6.5 mg (0.073 mg/kg)	240 min. Bitter pain up to 22 unknown. no effect.
4/1/61	9.1 mg (0.1 mg/kg)	nothing
4/3/61	13.1 mg (0.15 mg/kg)	some tremors? - due to concentration possible muscular effects? no effect.
4/6/61	18.5 mg (0.21 mg/kg)	negligible effects.
4/13/61	30.5 mg (0.35 mg/kg)	" "
4/20/61	49 mg (0.56 mg/kg)	" "
4/26/61	80 mg (0.91 mg/kg)	" "
5/10/61	125 mg (1.4 mg/kg)	no effect.
5/19/61	178 mg (2.0 mg/kg)	no effect.

at this level TMA would be really effective - there is no nausea - no real muscular effect - certainly no mental effect. conclusion - AEM less active than TMA.

Subsequently. (~ Dec) took, orally 220 mg (~2.5 mg/kg) - no assignable effect  
 Unless further evidence comes into play, this is all.

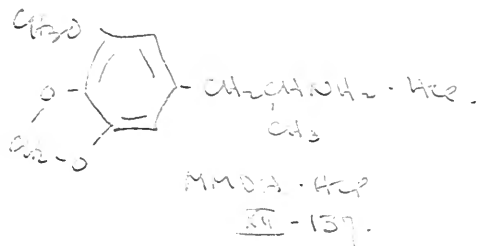
I have read pages \_\_\_\_\_ to \_\_\_\_\_ in this notebook and will send their contents  
 There are no blank pages, except \_\_\_\_\_  
 All entries are in my handwriting

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

# Subacute oral effects MMDA.

1/29/62 at 170 lbs



$C_{11}H_{15}NO_2 \cdot HCl$

M.W. 209 + 36.5

at 170 lbs., and as free base

90.5 mg (as base)  
= 1 mg / kg (as f. base)  
all oral

date	time	amt	=	
1/29/62	5:40 AM.	0.25 mg	=	0.0028 mg / kg no effect - hip & thigh muscle some tingling - but none I like with yesterday. 6:30 no effect - not hyperaesthetic no effect.
1/29/62	7:02 AM	0.25 mg	=	0.0028 mg / kg.
1/30/62	6:25 AM	7.1 mg	=	0.078 mg / kg. no effect - slight moment at 4:15. Subsequently withdrawn - otherwise no effect.
2/1/62	6:32 AM	12.5 mg	=	0.15 mg / kg. no effect.
2/2/62	6:50 AM	20.9 mg		no effect.
2/12/62	6:40 AM.	32.8 mg		0.38 mg / kg (free base) no effects.
2/26/62	6:38 AM	55.0 mg		0.6 mg / kg as free base. - ~ 8 AM - possible abnormality of motor 3 nerv - but quite ok - some sublet. - pulse 116. 11 AM - fine.
3/5/62	6:30 AM	76.4 mg		0.88 mg / kg. distinct effect - see page 22.
8/6/62	6:40 AM (1/2) 6:58 AM (1/2)	94.3 mg		1.04 mg / kg distinct effect - see page 22

GLADYS  
add to Daws. ~ 9/62. CC - in 6 — see page 104 for more subacutes.  
— 150-250 mg confirmation of brain waves.

# Subjective Response to MDMA-HCl.

3/23/62.

DATE March 5 1962 6:20 AM Subject STS  
Observer A.O., A.P., etc.

DOSE 76.4 mg (0.85 mg/kg)

Chronology. 0:15 - pulse up into 90-100 area - was in apprehension, but it was up there anyway - there was no dilation of the pupils yet - but a strong urge to start the experiment anyway. Breathing up there. 0:45 pulse back down to 70-75 so it immediately was needed. 1:00 no further effects - no eye dilation (50%) and distinct but occasional urges to vomit - vomited. Thinking - wish to vomit and walk up a down stairs, as if purposefully, to walk to being something. 1:30 - 3:00. Period of mental rumination, with added occasional periods of mental gressions. Attempt to recall Chem. problems - cannot maintain concentration - 1<sup>st</sup> line is unrecallable after 2<sup>nd</sup> line is read. Keep checking in on this - not through apprehension. (There isn't any, now, whereas ever) - but just to be aware. Then a while E.W.P. - but cannot think with any clarity. Some sad feeling that previous substance didn't make my sense. At no point any color, motoric, nor somatic effects. After 3:30 effect, light as it was, rapidly diminished, and a return of desire to eat was appreciated (no more gressions). No other effects - normal appetite & sleep in P.M. . .

DATE Aug 6 1962 7: AM Subject STS obs. A.O.

as free base.

Dose 94.3 mg (~1 mg/kg) took in two chunks 15 min apart, to help circumvent the possible pulse effect. There was no noticeable pulse change. at ~ +40 min - some intox - some nausea - both severe (transiently) at ~ 1 hr to 1.5 hrs - no vomiting - nausea goes - intox lingers about another 1 1/2 hrs - no noticeable mental rumination this time - at ~ 2 hr. slight synthetic motor motion in a pile of rags - couldn't identify the rags from a distance. No tactile change - marginal but heat effect. Had eaten 1 sandwich 2 3/4 hrs prior to experiment.

UNIVERSITY OF CALIFORNIA MEDICAL CENTER  
SAN FRANCISCO 22, CALIFORNIA

SEARCH AND DEVELOPMENT LABORATORY

29 August 1962

Doctor Sasha Shulgin  
Dow Chemical Company  
Walnut Creek, Calif.

Dear Sasha:

JAY & myself tried the MMDA on Sunday, 26 of August.  
Our log follows: (taken by KAREN up to 11:30)

- 10:24 100 mg orally
- 10:55 felt reaction, saw slight green tinge in shadows of faces. Pupillary dilatation CC. No dilatation for W. L., but he felt "layback."
- 11:05 Volluble, constant movement of hands & feet (as per usual for me) W. L. experienced the "floats."
- 11:10 CC felt warmth & muscle "tone" (almost quivering)
- 11:30 Departed for Marin country with LBU (originator of (TEXVUZ)) Shopped in supermarket at about 0.8g.
- 12:30 Arrived at home of MARTY and NANCY (Magnificent oriental stage in living room.)
- 1:00 Picnic with no effect on taste. Still .8g, very pleasant
- 2:00 Experience comparable to 20 MG LSD 25.
- 2:30 Feeling relaxed, composed
- 3:00 Back to normal; feeling of having taken amphetamine.
- 3:30 Returned home; approx. .9g.
- 4:30 Slight feeling of "green apples" in stomach
- 9:00 Eyes still dialated; a little restless but slightly tired
- 11:00 To sleep. Slept well. Awoke refreshed and happy.

Look forward to your meeting Odessa

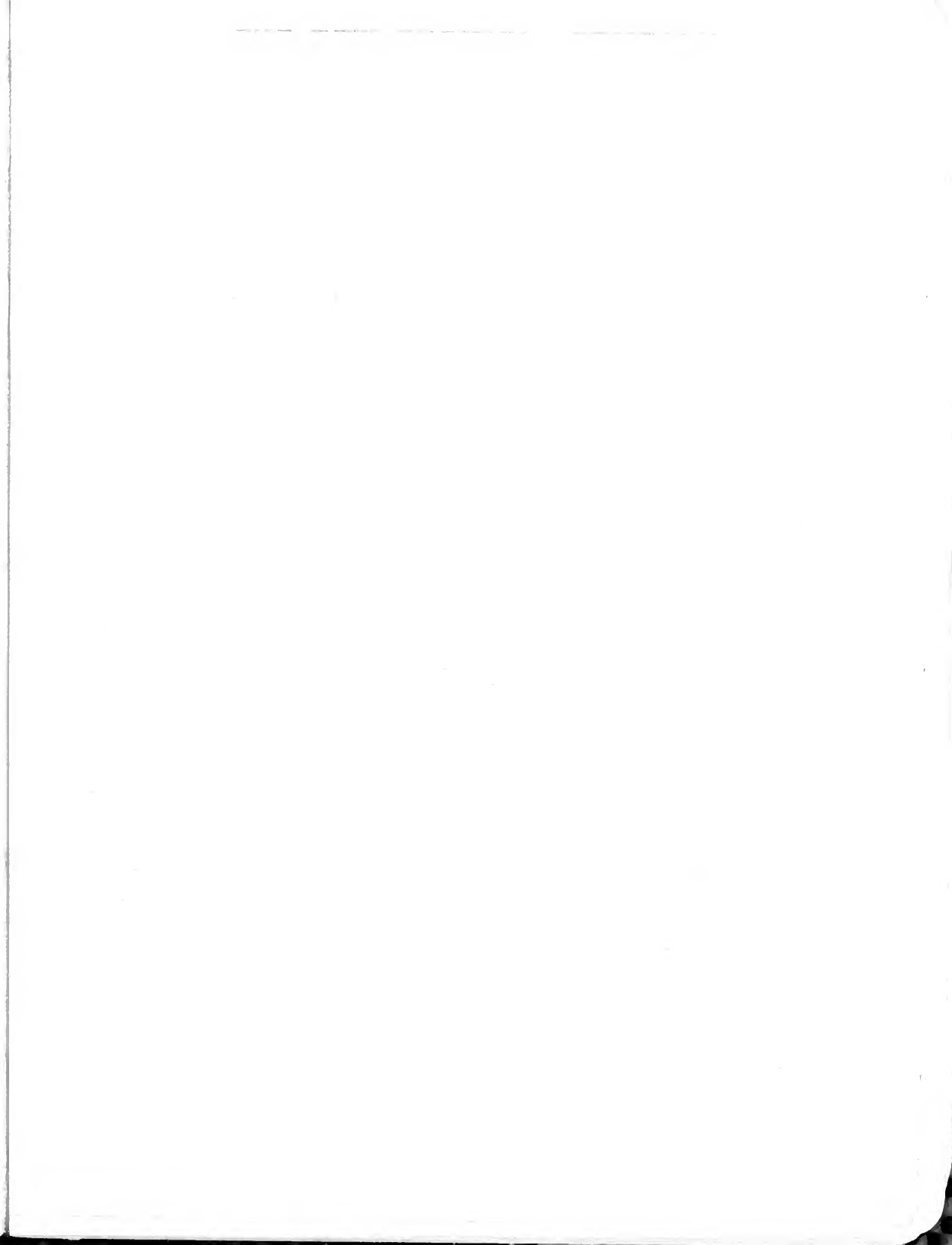
Regards

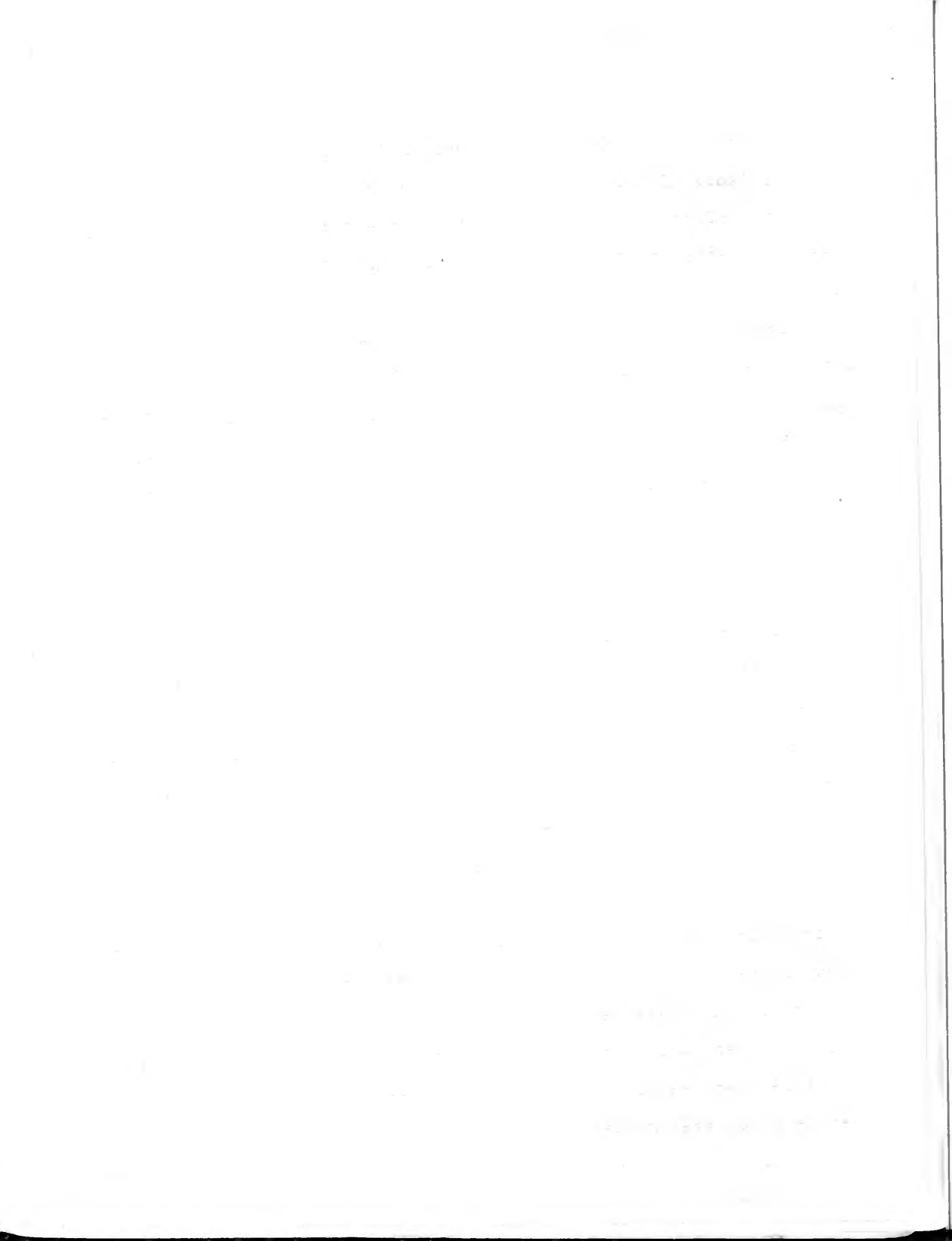
IRVING

by phone - had said "in 30-45 min, Anvil over head."

IRVING

100 kg  $\rightarrow$  1.8 mg/kg as free base







Paul

IRVING, I have <sup>the only copy</sup> you said you  
could get it deeped...  
QUIN

MMDA / MINIATURE HIGH

Quin  
I believe 2.3 mg/kg

I use the word miniature in the sense that I would describe a piece by the jazz pianist Bud Powell as a miniature.

Comparing a Beethoven piano sonata with Autumn in New York as played by Powell would be analogous to comparing ~~MMDA~~ <sup>Mescaline</sup> and ~~Mescaline~~ <sup>Mescaline</sup>. MMDA comes through as a miniature high -- everything is there but in lesser quantity and duration.

MMDA stops barely short of the Olympian Universe of time-ceasing and organic and inorganic raptures. The immediate part of the high is about two and one half hours in duration. Rather than a cessation of time, as there is with mescaline or psilocybin, there is a kind of timelessness during the first mescalinelike hour of the high. There is more ~~a~~ feeling of stupefaction than there is with most highs.

In a car climbing the Berkeley foothills I went into a terrible fear. ~~At the second worst I've had~~ It only lasted a few minutes -- but it did not matter in the timelessness how long the panic lasted, it was eternal. I looked out onto the grassy hillside at the dead silver-brown grass. In the expanse of field I could see each separate blade of grass gleaming ~~with~~ and the

trillions of brown-silver blades tangled together into a vast  
waving fur. Far below was the wreckage of foggy Berkeley and  
Oakland and the bay. -- It all began to look in timelier needs  
and reality. -- I thought I was going to enter the Olympian  
Empire. I had seen a FRAR... I had been expecting something else... I had been told that  
if I opened the Olympian this I might... I had been told that  
I would be... I had been told that I would be... I had been told that I would be...

Heart swelled in my stomach as I rose to my stomach. -- I  
felt an... I wanted to see the others  
to go back... The car  
swerved around... view of the... unwieldy distances  
of the view.

But finally I was... I mean the  
whole... there is no  
longer... end of molecules  
and... I could do what to do with it  
-- no... I would not  
come back. When I tried... realized  
I would do myself damage that way. When I tried to get on top  
of the whole... almost  
fifteen or twenty... and undescendable  
means no other control or escape the high.

~~During~~ this time I believed that I was going to pieces  
and I would possibly never be with the human-world again. My  
insides were going wild and my conscious mind seemed to be the  
only force holding me together, as you know I managed to ask

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1. The first part of the document discusses the general principles of the system. It outlines the objectives and the scope of the project. The second part describes the methodology used in the study, including the data collection and analysis techniques. The third part presents the results of the study, and the fourth part discusses the conclusions and implications of the findings.

The results of the study show that the system is effective in achieving its objectives. The data analysis indicates that there is a significant positive correlation between the variables studied. The conclusions drawn from the study suggest that the system can be implemented successfully in a variety of contexts. The implications of the findings are discussed in detail, highlighting the potential benefits and challenges of the system.

In conclusion, the study has provided valuable insights into the effectiveness of the system. The findings suggest that the system is a viable solution for the problems it was designed to address. Further research is needed to explore the long-term effects of the system and to identify ways to optimize its performance.

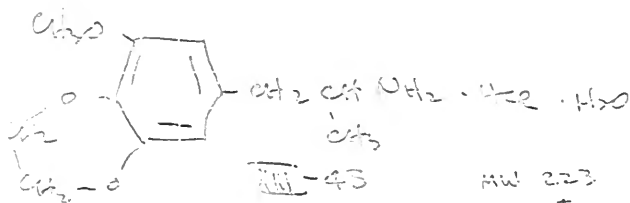
References  
1. Smith, J. (2010). The impact of the system on organizational performance. *Journal of Business Management*, 15(2), 123-145.  
2. Jones, A. (2011). A comparative analysis of the system's effectiveness. *International Journal of Management*, 28(3), 456-478.  
3. Brown, C. (2012). The role of the system in modern organizations. *Strategic Management Journal*, 33(4), 567-589.  
4. White, D. (2013). Evaluating the system's impact on employee satisfaction. *Human Resource Management*, 32(1), 23-41.  
5. Black, E. (2014). The system and its contribution to organizational success. *Journal of Applied Social Psychology*, 44(5), 1123-1145.

QUIN



# Subacute oral effects of MEDA

4/5/62



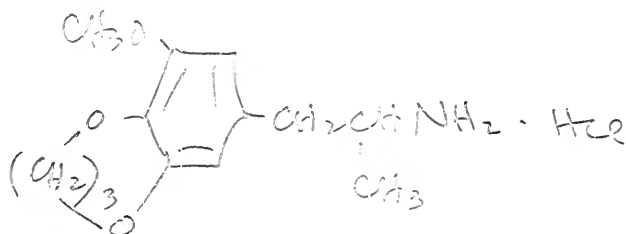
at 170 mls, anches  
free base

MW 2.23  
 +  
 36.5  
 18  
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 277.5

Date	Time	amt	Notes
4/5/62	4:25 AM	0.10 mg	no effect. not hyper.
4/5/62	5:10 AM	1.0 mg	no effect.
4/5/62	6:40 AM	4.0 mg	at 1.2 hyper, anches - but it was probably just me this AM.
4/8/62	6:00 AM	7.0 mg	no persistent effect.
5/1/62	6:30 AM	10.6 mg	no effect.
6/20/62	6:50 AM	15.9 mg	no effect.
9/7/62	7:10 AM	29.6 mg	no effect.
9/5/62	9:50 AM	60.2 mg	no effect except maybe a little hyperthyroidism.
9/15/62	7:15 AM	100.8 mg	slight effect. definite excitability - brisk, initial distribution slow on, slow off (2-5 hrs)

(09/25/62 - IRVING - 200 mg - no effect)

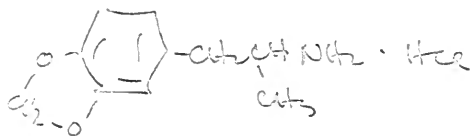
# Subacute effects of MTDA-HCl



date	time	amt.	notes.
10/14/62	4:00 PM.	tab (~100ug)	no effect
10/17/62	10:00 AM.	2.0 mg	total 6.2 mg. no effect.
	11:30 AM.	2.2 mg	
	12:00 noon.	4.2 mg	

Subacute oral effects MDA.

5/17/61



5/17/61 4:40 AM 4.8 mg oral. not unpleasant taste - no mental effects - went like house after cleaning up lab - organizing - full of energy - this may be an amphetamine-like response or maybe ~~is~~ is normal for this day. no pulse - no eye-pupil change. probably no effect. no more for the moment.

~ 7/1/65 25 mg. distinctive effects - of visual (+ color) enhancement - felt ~~of~~ effects for up to 4 hrs - this is a threshold response quite a ~~bit~~ bit lower than that reported by Atlas.

± 8/17/65 ATS 15.2 mg 6:45 AM eyes dil. at 8:00? no effects.  
 ± 8/18/65 ATS 26.4 mg 6:50 AM Probably threshold OK. not up to T.S. above and so will try one more - extremely marginal if at all.  
 guess as of 10/30/65 effective 80 mg?  
 if so, ~~at~~ ~~is~~ MU ~ 3.5?

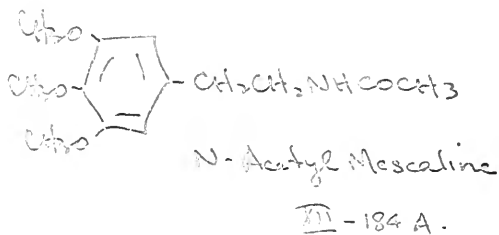
+ 10/28/65 ATS 35.0 mg 9:30 AM. Probably threshold mentally - definite threshold autonomically. 10:30 50% dilation - teeth rubbery - eyes pretty much normal 1:00 PM. Mental confusion shown in calculations, played poor bridge. mental effects certainly gone by 1-2 pm. very nebulous.

~ 3/66. A.C. 40 mg.  
 via A.C. 3 x 200 → 24 hrs.  
 via A.C. 2 x 150 → some visual + age regression.

3/19/67. (LAD 75; D.E. 100, 85 resp. E D.I. m Mo). granular - good control.  
 1/11/72 ATS - 20 mg - collect urine & serum samples: occasional flash  
 (8:30 AM) 14 benzodiazepine extract - other

Subacute oral effects N.A.M.

2/27/62 et seq.



$C_{13}H_{19}NO_4$

MW 253

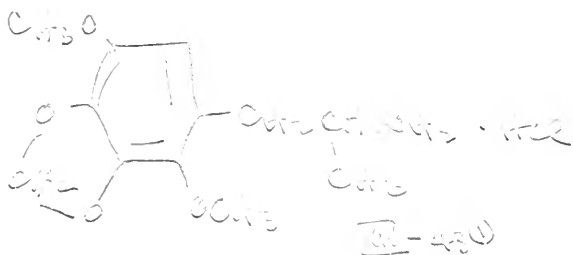
at 170 lbs

77 mg = 1 mg./kg.

Date	time	amt	effects
2/27/62	5:53 AM	1.0 mg.	N.R.
2/27/62	6:50 AM	5.0 mg.	N.R.
2/28/62	3:06 AM	12.6 mg.	N.R.
3/1/62	6:28 AM	27.2 mg.	musty distinct taste not quinine-like bitterness of the free amine salts.
3/29/62	6:30 AM	47.2 mg.	slight musty taste
3/26/62	11:45 AM	73.6 mg.	a little as a solid directly on tongue - bitter - but not too much so. rest - in 1 hr (v 25 mg) no effect.
11/1/62	7:25 AM.	118.9 mg.	no mental or central effect. PM - strong persistent pain in kidney - 10-12 AM - leg stomach (slight). Believe these to be first signs of toxicity - this is probably last trial <sup>of this</sup> .

# Sub-acute effects of DMMDA.

9/19/62



MW. 273.5  
free base 240

Date	Time	Dose	Notes
9/19/62	1:35 P.M.	3.9 mg.	bitter - no effect. no hypnosis
9/19/62	7:00 P.M.	4.0 mg.	(post lunch - min) - no effect.
9/21/62	4:10 P.M.	1.2 mg.	no effect.
9/25/62	6:50 A.M.	18.3 mg. → 1.0 mg base or at 80kg	read - nit - see next page. 0.2 mg/kg.
11/15/62	7:17 A.M.	24.7 mg → 2.5 mg base at 75kg	quite thorough - see 0.283 mg/kg or 0.3 mg/kg. page 35 4

~ 5/67 GLADYS

~ 7/67 A.C. 150 mg. active -

~ April/69 GLADYS

35 Cal much toxic as active - circ. 4  
cup - out work it.

## V DMMDA

- 1.- 50 mg in doses of 10 mg every 30' - no effect (C.M)
- 2.- 50" (Capsule) (CB) Comp. to 50 & LSB. Abstract thinking & some imagery
- 3.- 75" (IRVING) " " 75 & LSB. imagery, insight into relationships
- 4.- 75" (BM) " " 100 " " Religion - abstract exp.

DMMDA

'10/9/62

Date Sept 25, 1962 Subject ATB Observer - A.O., A.Q., A.P.

Dose 183 mg (0.2 mg/Kg) (6:50 AM).

At 0.5 hrs drove to Pittsburg - no indication of nausea or any peripheral symptoms. Cycled SVE & a distillation - seemed to gradually become intoxicated. 1.5 to 2.5 hrs. talked E, AP, TERI, SVE, others - distinctly wound up and intoxicated. 2.5 to 3.0 hr. spend in driving back to Walnut Creek. Wild drive. Feeling of speed of car not accurate - would observe mountain ~~scenery~~ motion, overlay of scenery as my car's direction changed - philorologized on all other relative motion (advancement, retreat, ascent, decline, ) completely dependent on motion of observer as such. Then I would think to watch the road again. etc. From 3.0 to 4.5 hrs. this high period persisted. My actions must have been noticeable - but more controlled. During period 4.5 - 5.0 there was a noticeable drop off of intoxication and was able to play a very acceptable game of bridge 5.0 - 5.5 hrs. The knowledge of a "hot-benz-me" lasted in however and at 9. hrs I drove home. This drive was still a little detached and unreal, but was nevertheless under control. A martini at 11. hrs. completed the work out - no after effects, no sleep problems.

This is a marginally active dosage of what may be quite a GCS or psychotomimetic drug. Must approach higher dosages with caution.

I have read pages \_\_\_\_\_ to \_\_\_\_\_ in this notebook and understand their contents. There are no blank pages, except \_\_\_\_\_. All entries are in the handwriting of \_\_\_\_\_

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

# Subjective Response to DMMDA.

see pages 28, 29.

11/15/62

Date: Nov. 15, 1962 Subject: TS. Observer: A O

Dose: 24.7mg (40.3mg/kg) 7:17 AM. All times recorded to this. I shall transcribe my notes taken throughout the experiment, as far as they are legible. Comments are added in [ ].

Time: Remarks:

- 6:15 Intoxication hit - very very like LSD eyes 30% dilated [there was absolutely no preliminary warning in the form of nausea.]
- 1:45 Shaky - leg pain [knew a little weak] not much more intoxicated - eyes 50% dilated.
- 1:55 Intoxication - mild disorientation (no  $\bar{e}$  -  $\bar{e}$ ) - took crap, wiped - some watery vomit - eyes closed - slight early - dissociative states - no color [this was first vomiting in nearly 4 hrs - vomit still somewhat clear.]
- 2:00 Time seems slightly slowed - warm feeling in genital - may be "sensuous" [frankly disturbing]. Tried to vomit - had a good deal of liquid - vomit [actually did an excellent job.]
- 2:05 feet very - legs a little (very little) still feel a little warm.
- 2:10 take a little good food - took in form of something eaten in couple of hours (nothing) - got nausea.
- 2:40 arm ataxic non [writing on bed].
- 2:45 good to vomit - no motion no color.
- 2:50 Time subjectively slowed - feel that several people have become aware - A O appears not so pulse 92 [felt early on in back of head looking at clock for some time it seems - felt certain I was suspicious]. A O am certainly as intoxicated as under 20ug LSD.
- 2:55 suspect A O became the subject, when I confided in him later] A O says no - must remember smallness job [which undoubtably caused

Time:

Comment:

- much more funny than it was - I laughed  
unconsciously
- 3:00 must be paranoid [I am sure - I am sure  
UMA know also [UMA] with how can  
I ever find out - paranoia of observation -  
releases are excellent although coordination  
pretty good [handwriting pretty good too]  
into dark room - a-ray there [spelled correctly]  
everywhere from sky height - interesting 3D  
effect from end on door - must check  
[actually it was a photograph of the  
cushion she was sitting on that had the  
3D effect - had to feel to make sure matter  
and cushion were attached in reality to  
the door] afraid of discovery - can come  
out - seen by both VAL and WIND  
[WIND] - they both looked at me strangely -  
wondered that they couldn't have seen me  
come out of door from Janitors closet [true]  
drowsiness of lot LSD - but seem to be  
able to cope - people  
teeth still moving - no nausea
- 3:25 mental stuff going fast - I am hyperthyroid -  
4:05 but luckily so - pretty good coordination -  
intoxicated still - going full blast. I  
may recover [at this time I sailed into  
storeroom to wrap a gram bottle of  
methylphenidate amphetamine for GLADYS - swept in  
did the job - swept out quickly & efficiently] I  
lucid - clear
- 4:25 all lunch - mouth doesn't quite work right  
4:45 - [the coffee was almost too much] and seemed  
increasingly noisy I
- 5:15 seem to be out of the drug OK [handwriting now  
5:45 occurs to me to write. Hadn't all



morning. Small pass - strong color (no color),  
right eye still dilated, left almost  
normal [It seems to be difficult to  
function the muscles necessary to  
urinate - could there be a little  
paralysis?] ]

6:05

teeth still disturbingly rubbery. I'm going  
to load up on coffee.

≈ 7:15

(2:30 real time) heard another 50 cc urine -  
color O.K. all will be O.K. - write all  
this up now (which I just did, at this  
time) ]

end of experiment notes.

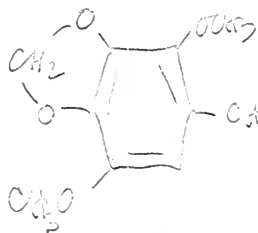
Time 3:00 PM (7:45 of  
experiment)

at 8 hrs - urinate again - but muscles still don't seem  
to be right - also still some tremor in hand -  
tickle in legs - apparently really to see some  
KNE shock.

eye dilation gone at 8:00 PM (10 hrs) and urination  
apparatus worked normally. still well - fr. excellent spirits.

# Subacute effects of S-1495

10/21/62



t-butyl

$C_9H_{11}O_2$

MW 229.5

free base. 254

S-1495 B.

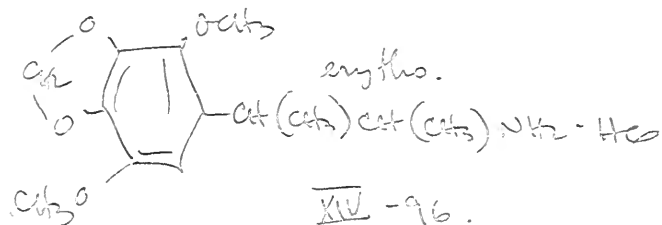
~~community mixture of  
t-butyl and  
ethyl~~

not so - is there.

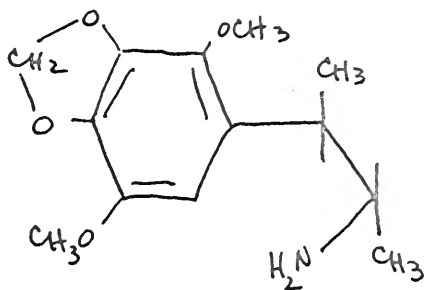
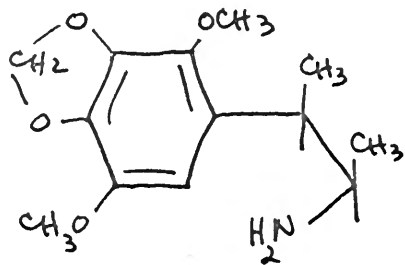
date	time	amt	notes
10/21/62	10:30 AM	0	
10/22/62	7:10 AM 7:40 AM 8:25 AM	1.8 mg 2.0 mg 2.3 mg	no effect (7.2 mg)
10/23/62	11:10 AM	12.4 mg	no effect.
10/25/62	7:20 AM 8:05 AM	19.9 mg 11.2 mg	no effect (31.1 mg)
11/10/62	9:58 AM 10:58 AM	51.0 mg 30.4 mg	81.4 mg - possible marginal effect - see page 47.

Subacute effects of S-1496

10/22/62



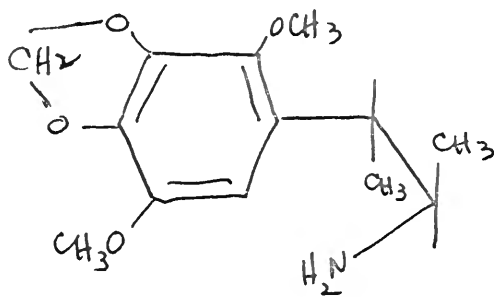
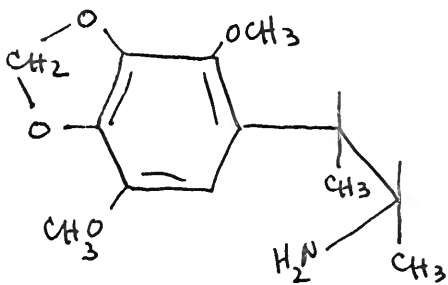
date.	time	amt	notes
10/22/62	11:00 AM -	dob.	no effect.
10/29/62	9:20 AM. <	0.7 mg	
	9:55 AM <	1.1 mg	
	10:23 AM.. <	1.3 mg	(5.1 mg) no effect.
10/31/62	7:00 AM. =	5.1 mg	
	7:35 AM =	4.6 mg	(9.7 mg) - no effect.



L

erythro-

threo-



D

erythro-

threo-

Maryland Dept. Form S-1495

see page 44.

8:45 min (in two waves, to be in 10 min).

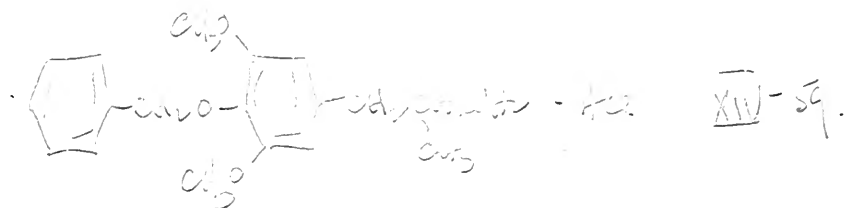
2-7:10 min wave, at 8:45 - 8:55 min.

Time - from 2:15 here

2:30 note disturbance lobby.

3:00 1st presentation - first walking to sit by  
VPI. each at 2:30 min. Position - several measurements - I feel  
that this level is not active, quiet, yet - but if a  
line is in position, then 1st/2nd min. be the  
first level of perceptual activity.

# Subjective effects of Benzoyloxydimethylamylamine



date \_\_\_\_\_ time \_\_\_\_\_ cont. \_\_\_\_\_ notes \_\_\_\_\_  
 int. no. \_\_\_\_\_

## II BTMA

- 1) 5 mg (AR) no effect
- 2) { 10 mg (GRADYS: very suggestible) - emotional  
 { 15 mg after 90' - reminiscence, imagery
- 3) 100 mg (AS) no effect
- 4) 120 mg (AP) comp. to 75  $\gamma$  LSD
- 5) 150 mg (CAF) " " 100  $\gamma$  " or 180 mg TMA-1
- 6) { 100 mg (CAT) comp. to  $\leq$  75  $\gamma$  LSD. Followed aft. 90' by  
 { 80 mg  $\rightarrow$  " " 100  $\gamma$  "
- 7) 180 mg (AG), More intense than 200 mg TMA-1

Conclusions: threshold not directly ascertained. Probably at 30-50mg, both thresholds of 5s 2 and 3 being exceptional (threshold in general is about 25% of effective dosage)

Effective dosage: 150 - 180 mg

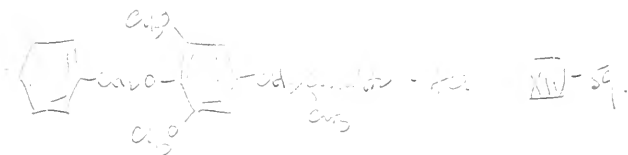
Comparison to TMA-1: more intense reactions in smaller dosages in two, (5 and 7)



SUBJECT

2000-100

## Subacute effects of Benzoyl dimethylamino amphetamine



date	time	cont.	notes.
10/12/52	7:10 AM	not > 100 mg	swellant.
	7:30 AM	2:10 AM	no effect
	10:45 AM	(normal) 10:10 AM	no effect (at 10 mg).

10/12 - GUADYS reports vague sensations at 10 mg.

10/13 - 100 mg distinct - wakeful (amphetamine-like) - hypnagogic imagery - could not sleep at night with mind being very uncontrolled (50 mg) tangential busy things - (big Sur?) - off 2 chromosomes & urine

10/17 - AC 5 mg - flaking rashes.  
 AC 10 mg intense euphoria.  
 + 15 mg - on for 24 hrs. childhood vasomotorics - knee pains

AC 25 mg - 1 hr aid to taking  
 70 mg = 100 mc LSD



SUBJECT

Succinyl choline - part of MADA-2

~ 1 mg?

A.C.

So.

(LADY)

7 mg

no effect. #

9/3/63.

(LADY)

15 + 10 mg E2S

thorough. ~~see only~~ ~~mark.~~ page 109

3/14/76

10:30 AM

ATS

8 mg

no effects

+ 1/1/77

12:00 noon

ATS

16 mg

- 10% window starting at ~ 1 hr. - uncertain at 3 hrs - completely gone at 6 hrs. New year day c (worse) - fair chub. outside normal.

E 1/16/77

11:00 AM ATS

24 mg.

[1:15] Some parietal things. [2:00] lightest of 2

this birds {3-30} largely clear are the reds and oranges enhanced at (Sun)

(Continued, page 215.)

Letter AD 2/11/77 - Stoop dose-response curve; 4 at song; 1 profound for 24 hrs; 1 in severe flood, to forest; 2 - g-joy, one almost imperceptible. g.v.

# Private banking notes

7/20/12

Don - 10.5mg rally = 10.5mg/day -

The index of infection show a good decrease this level is actual - 10.5 - then 10.5 mg/day rally well in an attempt to cure with 10.5 mg daily 25 p.p. This would have weekly infection during discharge the index would be 10.5 mg

at 10.5 mg maintained to 10.5 mg daily 10.5 mg rally well in an attempt to cure with 10.5 mg daily 25 p.p. This would have weekly infection during discharge the index would be 10.5 mg

Handwritten title at the top of the page, possibly "Handwritten notes" or similar.

Handwritten notes on the left side of the page, including the word "AD" and other illegible text.

AD

Handwritten notes on the right side of the page, including the word "AP" and other illegible text.

Main body of handwritten notes, organized into several paragraphs or sections, with some words appearing to be in a different script or heavily stylized.

AP

Handwritten notes below the "AP" section, including the word "PAUV" and other illegible text.

Handwritten notes on the bottom left side of the page, including the word "Signal" and other illegible text.

Handwritten notes on the bottom right side of the page, including the word "Signal" and other illegible text.



Approximate of a ...

1/24/22

Faint handwritten notes on the left side of the page.

Faint handwritten notes on the right side of the page.

YAGO

XEION

Main body of faint handwritten notes on the left side.

Main body of faint handwritten notes on the right side.

Substance 2008 - T14-2



Date	Time	Dose	Notes
11/27/62	4:45 PM	10 mg	
11/28/62	2:15 PM 3:00 PM 3:10	10 mg	
11/29/62	6:00 PM 6:55 PM	10 mg	see also 64.
7/24/65	GLADYS	10 mg	see page 108
~7/3/66	via AC	15 mg + 15 mg	no black out. visual. considerable insight, also nausea & vomiting. stated $\approx$ 100 $\mu$ LSD.
~2/6/67	GLADYS	15 mg at 5:00 PM	by 6:07 aware - peak 8:00 PM. 10:30 sleep but awake at 2:30 AM still coming on. Descent of shining letters on a chain - watched letters go by - but they didn't spell out anything. Took several - GI upset gas - cramps.
early 67?	via AC	~40 mg	not overwhelming - $\approx$ 100 $\mu$ LSD - falls short - sexual

Chronology of Intoxication and Description of Effects

This from a Dow  
report GP 1039

All times in the following are stated as times from the first  
ingestion. Observers' notes have been interwoven when appropriate.

n.n.n

TMA-2

eg. in LSD.

1.-	(AY)	{ 10 mg, followed after 90' } 10 mg →	25
2.	(KALEI).	20 "	50
3.	(AZ)	20 "	75
4.	(BC)	30 "	75-100
5	(AV)	40 " [ $>60$ mg TMA-6]	100
6	(BA)	40 "	100
7	(BB)	40 "	75-100
8	(AT)	[ 30 " [ $>60$ mg TMA-6] + 30 "	75 100
9	(BL)	50 "	100-150
10	(AW)	60 " group setting	<del>75</del> 75-100
11	(BE)	60 " " "	75-100
12	(AR)	60 " " "	100-150

Remarks: 1) difficult to compare with LSD because  
of qualitative difference: tranquil, non-dramatic <sup>experience</sup>  
2) Best results w. 40-60 mg  
3) Qualitatively different from TMA-1,  
but comparable to TMA-6. Also different  
from MDA & MDMA.

**FOLDOUT BLANK**



Chronology of Intoxication and Description of Effects

This from a Dow  
report GP 1039

All times in the following are stated as times from the first ingestion. Observers' notes have been interwoven when appropriate.

0:00

Ingestion of 12.5 mg (as hydrochloride) or 140  $\mu\text{g}/\text{Kg}$  as the free base. (There had been no food consumed during the previous 12 hours.)

1:00

Ingestion of a second 12.5 mg. (TMA-2 has a very slight alkaloid-like bitter taste - neither unpleasant nor lingering.)

1:20

Pupils show slight dilation, light muscular tremor, initial nausea, and an onset of diarrhea.

1:30

Cholinergic effects moderately severe. Teeth are chattering and vibrate when rubbed together. Pulse 80.

1:40

Only a moderately severe nausea is left. As has been observed with LSD-25 intoxication, the symptoms of nausea are complete,

except for the desire to vomit. This phase receded over the following 20 minutes. Pulse unchanged.

2:00 to 3:15

During this hour, the complete syndrome, except for intense color effects, of severe mescaline intoxication developed. There was essentially no nausea, and the world was filled with distorted, moving things, all quite humorous. Peoples' faces were grossly distorted, and there was very little thought or worry of personal safety. Muscular coordination quite good. Time passed slowly. Conversation both coherent and clear.

3:15 to 4:30

At about 3:15 the first indications of still further mental and physical capitulation to the drug became evident. A numbness of the fifth, and part of the fourth, finger of the left hand was frightening, and the recovery of this "asleepness" constituted a mechanism of preventing further inundation. Compulsive massage controlled this physical dissociation although asleepness of the

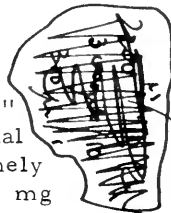
knees, muscular and abdominal cramping also began to occur. In cycles there would be periods of relative simplicity followed by periods of nausea which could be relieved in part by attempted (but unsuccessful) vomiting.

Simultaneously with the physical cycling occurred a mental, intellectual occultation that, fortunately, possessed a different period. From the beginning of this hyper-mescaline stage (about 3:30), waves of near-unconsciousness occurred. The hallucinatory motion-of-real-objects became unavoidable and overpowering. Periodically, at the crests of cycles, an impression of fainting would occur, and it was felt certain that to lose the thread of return would mean never to recover mental integrity.

Fortunately times of mental and physical stresses did not correspond. Subjective time was badly distorted. A short visit to a dark room was unbearable due to the active and frightening hallucinations.

4:30 to 5:35

At about 4:30 a return to a recognizable "mescaline-intoxication" was the first believable indication that there would be an eventual recovery. A drive through the countryside proved to be extremely humorous and enjoyable, comparable to peak effect at about 500 mg mescaline.



5:50

Rapid recovery from the above effect. Increasing periods of lucidity. Completely unable to eat anything.

7:00

Able to drive a car without misadventure. A mild stomach ache was the only remaining physical symptom. Occasional touches of unreality did still occur but were completely controllable.

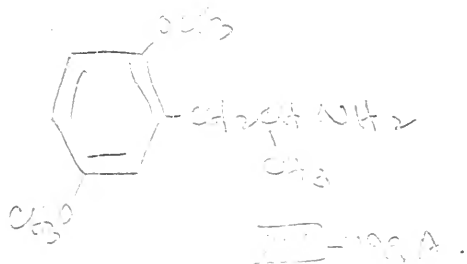
12:00

No remaining effects. Appetite good. Sleep normal.

### Conclusions

This drug, TMA-2, has an apparent potency of 20 to 25 times that of mescaline, and of perhaps 10 times that of its structural isomer, 3,4,5-trimethoxyamphetamine. If more complete studies show no increased toxicity for TMA-2 (all amphetamines so far have been similar to one-another), the improved therapeutic index (x20) would warrant the consideration of this chemical as a substitute for mescaline in psychotherapy and in clinical uses.

Substrate  $\rightarrow$  into 2,6-DMA.



Date	Time	Concn.	Notes
1/29/63	8:15 AM	1.0	...
2/20/63	9:55 AM	2.0	...
2/1/63	10:40 AM	5.0	...
2/8/63	7:10 AM	8.0	...
2/11/63	7:07 AM	12.0	...
2/22/63	1:00 PM	20.0	...
2/3/63	6:56 AM	40.0	...

note scheme sim. to 4-MA (p. 141) at 2x dose.

John ... ..  
2/11/63

2/11/63

March 29/63. ... .. - see page 46.

Palmer ... ..

Thurs Feb 20

1:15 ... .. quite  
... .. was  
... ..  
... .. There

1:45 ... .. enjoying

2:20 ... ..

2:30 ... .. found

2:50 ... .. can  
... .. no  
... .. as

3:10 ... ..

3:30 ... ..  
... ..

4:00 ... ..

... .. and  
... ..  
... ..  
... ..

Fluorinated agents - Fluorinated - 10/2/63



date	time	agent	response
10/2/63	7:00 AM	9.4 mg	nothing
10/10/76	7:00 AM	30 mg FLIP	nothing - all nothing - maybe nothing - maybe?
10/10/76	7:00 AM	30 mg	nothing

8/22/63  
10/10/76

9 7:00 AM.  
30 mg FLIP

9.4 mg.  
i.e.

nothing

Submit report E-130

1/21/63



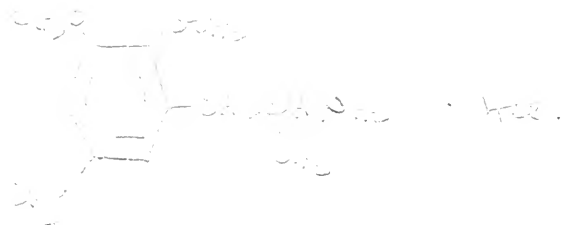
Date	Time	Location	Notes
1/21/63	7:00 AM	...	...
2/4/63	...	...	...
2/10/63	...	...	...
2/16/63	...	...	...
2/20/63	...	...	...
2/23/63	...	...	...
2/27/63	...	...	...
3/3/63	...	...	...
3/10/63	...	...	...
3/16/63	...	...	...
3/20/63	...	...	...
3/27/63	...	...	...
4/3/63	...	...	...
4/10/63	...	...	...
4/16/63	...	...	...
4/23/63	...	...	...
4/27/63	...	...	...
5/3/63	...	...	...
5/10/63	...	...	...
5/16/63	...	...	...
5/20/63	...	...	...
5/27/63	...	...	...
6/3/63	...	...	...
6/10/63	...	...	...
6/16/63	...	...	...
6/20/63	...	...	...
6/27/63	...	...	...
7/3/63	...	...	...
7/10/63	...	...	...
7/16/63	...	...	...
7/20/63	...	...	...
7/27/63	...	...	...
8/3/63	...	...	...
8/10/63	...	...	...
8/16/63	...	...	...
8/20/63	...	...	...
8/27/63	...	...	...
9/3/63	...	...	...
9/10/63	...	...	...
9/16/63	...	...	...
9/20/63	...	...	...
9/27/63	...	...	...
10/3/63	...	...	...
10/10/63	...	...	...
10/16/63	...	...	...
10/20/63	...	...	...
10/27/63	...	...	...
11/3/63	...	...	...
11/10/63	...	...	...
11/16/63	...	...	...
11/20/63	...	...	...
11/27/63	...	...	...
12/3/63	...	...	...
12/10/63	...	...	...
12/16/63	...	...	...
12/20/63	...	...	...
12/27/63	...	...	...

I have read pages \_\_\_\_\_ to \_\_\_\_\_ in the notebook and understand their content. There are no blank pages, except \_\_\_\_\_ All entries are in the handwriting of \_\_\_\_\_  
 Signed: \_\_\_\_\_ Date: \_\_\_\_\_  
 Signed: \_\_\_\_\_ Date: \_\_\_\_\_

# Subjective effects of TMA-4

3/17/63

5/18  
AV-49



5/18

11:25 AM 18.7 mg quite bitter - no effects.

5/18

8:10 AM 26.3 mg no effects whatsoever - no dilation.

8:10 AM 26.3 mg

8:10 AM 26.3 mg

5/18

8:10 AM 26.3 mg no effects.

5/25/63

11:25 AM

18.7 mg

quite bitter - no effects.

6/15/63

8:10 AM

26.3 mg

no effects whatsoever - no dilation.

5/8/67 -

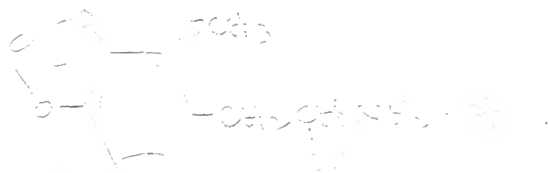
AC - what I have left.  $\approx$  50  $\mu$  LSD.

TMA-4

(?) Concern about life issues, introspection, for about 6 hrs. No subjective physical symptoms. Comp. to  $\pm$  50  $\mu$  LSD. Comparable to (more intense than) 120mg TMA-1, (w me)

Subjective effects 1955-56

1/2/56



#### IV MMDA 3a

1. - 40 mg (BI) no effect
2. - 40 mg (BG) increased communication, imagery → 6 hrs.
3. - 50 mg (AT) comp. to 75 & LSD. After 90',  
30 mg → comp to 100 & LSD
4. - 80 mg (BH) " " " (followed by attempted suicide)
5. 80 " (AC) " " " (unusual peak exp. after 8 days)
6. 80 " (IVING) " " "
7. 100 " (AK) " " " (at least).
8. 50 " (LIND) brought about psychotic episode, days duration
9. 80 " (BI) comp. to 100 & LSD

#### Conclusions:

threshold: Not clear. Probably  $\pm$  25 mg, in spite of SF1.

effective dosage  $\pm$  80 mg

qualitatively: More illusive than MDA 1 or 2

" " " TMA-2 " 6

" 'magical', masculine-like.

after effects or coincidents?

3). 100 mg to 100 mg - 4 hrs KEMS - 2 hrs suicide.

4) 100 mg - all cold and burning.



Yolk-sac-like effects of  
Silver Chrysalis

3/13/63

Attempt to ~~con~~ confirm and evaluate the use of  
leaves of the Shepherd's (S. chinensis) as an  
insecticide or as a halomimetic plant.

Date	Concentration	Comment
3/15/63	7:45 1 mg/kg 7:45 1 mg/kg 7:50 1 mg/kg 7:55 " " 7:55 " "	These leaves are large, dark green, and AD <sup>s</sup> excellent. S. chinensis without being of distinct taste or odor, which is intended to be a feature of the plant. There was a strong odor of the leaves, but in the laboratory. The leaves were in this 2 hr period, showing a dark red color, as usual.
5/28/63	10:50PM several small leaves & 5.0g. 11:10PM several more, 5g → 10g	These were leaves which were left from the previous and making cuttings of one of the

plants AD brought to the lab. Unfortunately prior to this trial I  
had consumed both dinner and a corresponding amount of wine.  
There was possible lightheadedness, but nothing dramatic, and  
certainly ascribable at least in part to the wine. Taste not at  
all unpleasant. An intensification(?) of the (wine) intoxication  
provides sufficient justification to build a green-house. Am doing.

~ 8/5/63 20g - possible transient funny - not too  
believable.  
~ 8/10/63 20g - initial face puffiness. not too believable  
either  
continued page 96.

SUBJECT

Subacute effects MMS-20

3/7/63



( ) MMS-20

3/6/63

10:15 AM.

20.0 mg.

effective dose - see page 66

- include -  
3/6/63
- via Koz
- 1) 40 + 40 mg (at 3 hrs) - 24 hr. affect.
  - 2) 100 mg to 100 lb ♀ - fetal retreat
  - 3) 100 mg to immature - 4 hrs REMs - 3 trials suicide.
  - 4) Koz 100 mg - all cold and burning.

**FOLDOUT BLANK**

Further details on the TMA-2 Experiment  
of 11/26/62 - See page 54-55.

Sitting with AD - between tendencies to faint.

I am sitting rubbing the fourth and fifth fingers of my left hand. This one of the last contacts with reality. Somewhere I have read that ~~malig~~ malingerers (those who shun illness to avoid obligations, however you might spell them) during subscription to the services, generated partial paralysis of the hands, and described what was known as the glove effect. The initial paralysis should embrace the termini of the fingers, a more complete effect embracing the hand itself, a total effect inactivating the entire lower arm. In my elementary elementary course in psychology I have learned that the true physiological sequence of manual paralysis extended vertically through the fingers.

For possibly this reason of knowledge, for possibly the reason that it really occurred this way, the little and part of the ring finger frequently went to sleep and the recovery from this "dormancy" constituted one real mechanism of recovery of the "same" world.

I have always had a morbid fear of various parts of the body going to sleep, in that if the sleep position should embrace more and more of the whole body, that the disconnection of the mind and soul should be permanent, if and when the head or heart should, in turn, fall asleep. This memory and compulsion were sufficiently acute that I would not, and could not let the numbness of my left two fingers spread. I rubbed them incessantly.

The body was experiencing, simultaneously with these effects, muscular and abdominal cramping of sizable proportions. In cycles, there would be periods of relative simplicity, where massaging of the knees and thighs would seem to be a satisfactory placation to the immediate ataxia experienced. These would be followed by periods of nausea which could be

relieved by attempted (but unsuccessful) vomiting. Still, during these latter periods the impression was held that to curl up in one's own world and not to have to face the proprieties of laboratory life, would be ideal.

Simultaneously with the physical cycling occurred a mental, intellectual oscillation that, fortunately, possessed a different period. Once the mescaline-like intoxication had been displaced (the beginning of this middle period), waves of near-unconsciousness would occur. The 'motion-of-real-objects' pleasure of mescaline became a thorn of existence in an unreal world. Periodically at the crests of cycles, an impression of fainting would occur, and to lose the thread of return would preclude recovery of mental integrity. Fortunately times of mental and physical stresses, both individually almost uncontrollable, did not correspond.

The assurance was held that this mental 'sugariness' was permanent. Requests to my observer, as to when the experiment would end, (his guess as to duration and as to when I would exhibit normal behavior, prompted me to try to achieve certain actions in a strained coherent manner, that would be acceptable as "normal". AD, of course, could give me no believable guess. In this light, I left him and went to the library unattended; also I proof-read and signed a letter to ZED. In near panic, I returned to the safety of my observer, convinced that my present state was irreversible and that I would have to adapt to life, henceforth, filled with learned actions (to appear sane) and frequent visits to the news room (to relieve nausea).

Subjective evaluation: MMJA 3-A.  
see page 62

6/8/63

written 6/14/63

Time 10:15 AM (0 hr.) - dose 20.0 mg as the BS  $\rightarrow$  245.5  
 $\rightarrow$  209 free base, and at 175 lbs or 80 kg  $\rightarrow$  210 mg/kg oral dose.

Chronology. - this transcribed verbatim: [except brackets]

11:30 - 12:00 ( $1\frac{1}{4}$  -  $1\frac{3}{4}$ ) aware

12:10 ( $1\frac{1}{2}$  hrs) decide not to tell BK [this all was at farm, sat.]  
seem to be aware that the max. is controllable.

12:20 ( $2\frac{1}{10}$  hrs) time creeps - marvellous world [of] insects,  
the -OC<sub>20</sub>- really rewards me.

12:45 ( $2\frac{1}{2}$  hrs.) try eating - completely confident - will use  
~~wine~~ [crushed out] ? - up.

1:15 (3 hrs). if it stayed forever like this, I would just  
have to let my apparent personality [except can be  
recalled - see discussion].

1:20  $3\frac{1}{4}$  hrs  $\downarrow$  rest.  
1:45  $3\frac{1}{2}$  hrs

2:00 ( $3\frac{3}{4}$  hrs) out to bricks

3:00 ( $\sim 5$  hrs) out of day.

Elaboration upon, and explanation of this chronologically  
referred diary follows. adjoining in the actual fragments.

TUESDAY

MAY 1962

APRIL						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

JUNE						
S	M	T	W	T	F	S
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

8:00  
8:30  
9:00  
9:30  
10:00  
10:30  
11:00  
11:30  
12:00  
1:00  
1:30  
2:00  
2:30  
3:00  
3:30  
4:00  
4:30  
5:00  
5:30

DK  
11:30 - 12:15  
12:15 - 12:30  
12:30 - 1:00  
1:00 - 1:30  
1:30 - 2:00  
2:00 - 2:30  
2:30 - 3:00  
3:00 - 3:30  
3:30 - 4:00  
4:00 - 4:30  
4:30 - 5:00  
5:00 - 5:30

The initial dose was taken at the lab, as noted, at 10:15 AM. Employing the analogy gained heretofore, there would be, comfortably, at least an hour before effects, if any, would become debilitating. During the 10:15 - 11:15 period of grace, I drove the incredible Studebaker truck to Lafayette to procure a 1/2 yard sand, and had a spirited contest with a highway patrol officer whom, I was certain, was more concerned with the 1/2 quart/10 mile oil-contribution to the ozone problem than to my abilities as driver. In any event, there was no incident.

Sometime after an hour, I became aware of some intoxicative effect, while I was talking to the man who did the discing around the farm. I had opened two tall beers, one for him and one for myself, and although the day was hot, I could not drink more than a sip of mine. I immediately thought of the experiment and deduced that beer, regardless of how deficient in  $CO_2$ , might have an adverse or confusing effect on the outcome. So, I listened to him talk for 1/2 hr, while I made what must have been inane and inconclusive conversational plays.

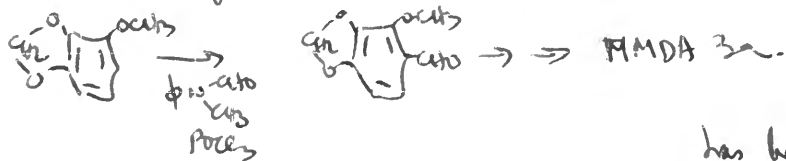
He left to make a phone call, and then returned to his tractor & discing equipment. I returned to my bricks and knew that it would be futile to mix mortar. I could indeed

6/18/63

lay bricks if necessary, but I had no heart for it. The piles of bricks (some 20 bricks high, i.e., 2x10 or about 2 ft.) had that "continuous-in-motion" style of falling associated with marceline, see page 2. It was extremely enjoyable to watch the bricks in continuous performance.

At this time I had my first serious thoughts about telling BK of the experiment, but decided not to. Some how, I knew that ~~if I could~~ I could probably fool her, and her not knowing would provide me with convincing evidence of the apparent normalcy of my actions. There was also an element of selfishness in it as well. Incidentally, there was quite extreme pupillary dilation at this point - there had been absolutely no indications of nausea or physical malaise with this material.

[I have just read (6/18/63) that, although the route I had used in the synthesis of this material



has been reported (JACS) and confirmed (Ber.) as yielding the isomer shown, a report in JACS recently claimed the generation of the lower melting isomer  $\begin{array}{c} \text{O} \\ \parallel \\ \text{C} \\ | \\ \text{C}_6\text{H}_4 \\ | \\ \text{C} \\ \parallel \\ \text{O} \end{array}$  in equal amounts, which would have led to MMA 3b.

In my notes, I observe that I did not characterize the aldehyde from this acrylation, but converted it directly to the nitro-styrene  $\text{C}_6\text{H}_4\text{NO}_2$ . This olefin was nicely obtained only after recrystallization. Although it is a 100% shot, it is conceivable that this response was due to MMA 3b. The compound is certainly unique (sharp melting nitro-styrene) but its structure permits argument. The unambiguous



synthesis, through the festable nitro styrene of MDMA-3b, is being pursued forthwith. ] [ATS 8/29/63 - It was indeed MDMA '3a ]

At about this time I became involved (as I had with mescaline) with the captivating world of insects. I found a measuring worm, and with great tenderness and patience ~~to~~ picked him up, observed his fore- and aft "feet" and finally placed him down on a leaf and watch him acclimate himself. There was also a spider on the bricks, and I was compelled to watch him in action. I was grateful that I was not being observed, so that I should not have to appear dutifully employed. Time was ~~not~~ quite slowed. I checked periodically with the kitchen clock - it moved quite slowly. It was necessary to move, intentionally, slowly, so as not to exhaust myself.

As mentioned in the chronological display (page 66) it became apparent to me the extent of the pleasure-giving (and possibly activity-enhancing) properties of the methylene dioxy ~~to~~ group as contrasted to the analogic dimethoxy patterns. Compare: Aros reported grey-doughnuts and more on ~ 126 mg 3,4-methylene dioxy amphetamine, whereas there was nothing on the dimethoxy analog (same amount). This, at least supports the ~~former~~ potency argument. There rests the enigmatic report of "no improvement over mescaline" description of 3-methoxy-4,5-methylene dioxy phenylethylamine. MDMA appears possibly more active than TMA, and distinctly of more gentle effects. ~~It is~~ Also - MDMA-2 looks to be comparable to TMA-2 - but certainly none of the individual panic that accompanied TMA-2. Here, it is true that TMA-3 is untested (in truth as of the moment still in the nitro-styrene stage, so still not even synthesized), but ~~it~~ already, I am quite willing to test MDMA-3a, as it allowed a friendly experience.

At 12:46 PM. BK made some sandwiches as lunch, and I volunteered to share them. My customary habit of a bit of Pinot C. & tuna sandwiches was converted to 7-up, real ice. The sandwiches were uncatable. BK comment mid-way that the pickles were bad, and I was overwhelmed with the recognition that I was unable to distinguish bad from not-bad. Intellectually I knew that the sandwiches were OK, but they ~~filled~~ filled my mouth unceasingly, and I gave up. Instead, I watched birds ~~was~~ circling above the newly plowed field (we ate on the new patio) and sipped (and enjoyed) 7-up and ice.

The concept soon arose (in the notes, about at 3 hrs.) that this condition might be permanent. True, this consideration has often arisen before, with LSD, as well as with TMA-2 and mescaline. However, with all these other materials, on all previous occasions, the rational ~~assumption~~ had been set forth that it would be possible <sup>even</sup> necessary, to learn and imitate the behavior of normal individuals so as to ~~to~~ perpetuate the sham of normalcy. In other words, one could and must set about learning to act in an acceptable normal manner, so as to conceal the true state of affairs.

With MMMA-3a, the concept that flashed past the ~~mind~~ mind was totally opposite and is recalled here as well as possible. Here, it was, as mentioned above, considered a real possibility that the changes observed might be irreversible. The challenge appreciated, was not only to imitate "normal" behavior as would be necessary to fool one's associates, but also to plot an extensive campaign of gradual change of personality so that, after a period of weeks or months, one could relax back into

~~the~~ this pleasurable escape and have it accepted ~~as~~ go usual behavior. In other words, the capacity for intellectual plotting was, far from being lost, quite available.

It must be held noteworthy that both; 1). this quite researched concept was totally recallable, and; 2) this attitude may well represent the approach employed by endogenous schizophrenics in the concealment of their problems. It further is undoubtedly coincidence that this concept first appeared under this specific drug. It might be me.

Between 3/4 and 3 3/4 hrs (v 3 hrs was max. effect) I rested, in the presence of sleepiness, actually to avoid wide-awake and close to try closed-eye effects. The results were questionable. I couldn't lie still. In pseudo-darkness, there would be some structured illusions or ~~as~~ as with LSD (commonly called eyes-closed hallucinations, but actually ~~closer~~ closer to the so-called brain-movies of MM04. These were interpreted in an erotic framework, not unpleasantly extended by the awakening experienced by BK at 1:45 P.M. If left alone, I could have enjoyed my own company. The effects were pleasant.

There was a precipitous decline of intoxication from here on out. Soon, there were ~~no~~ no mental retreats, and thus laid bricks all afternoon, and had martinis before dinner.

Afterthought - Lack of car-drivability during intoxication. Probably impossible.

Overall conclusion. a) will explore upon BK or GADYS soon; also, will repeat - pleasurable and perhaps rewarding.

6/17/63

SAR's.

happy 38 birthday.

With the knowledge to date, and with the following assumption:

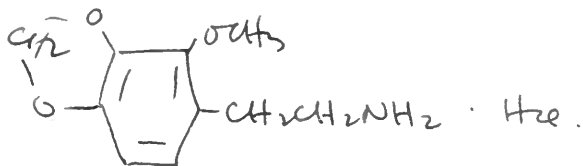
- 1)  $O-CH_2-O \geq O-CH_2, OCH_2$
- 2) TMA-4 is inactive, as is TMA.

one may take recourse into a diagrammatic representation of the TMA series:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
I	00			00	00		00	00	00	00		00		00	
II	0	0		000	0		00	00	00	00	0	0		00	00
III	0	0		000	0	0	0		0000	00		00	00		00
IV		00	0	00	00	0	0		000000	00	0			00	00
V		00		0000		00		0		0000		0		00	00

Subacute effects of XI-104

8/25/63



8/25/63.

3:30 PM

tab.

no effect.

9/1/63

10:40 AM.

4.4 mg

twinge of light-headedness  
at 5 min (fluke) - then nothing  
- no dilation - no effect.

9/26/63

1:55 PM.

8.1 mg

(ate at noon) no effects.

11/20/63

7:07 AM

13.8 mg.

no effects.

sample to GARDNER  
11/27/63

40 mg (TS)

no mental - but as if a  
psychic energizer - excellent  
spirits all day.

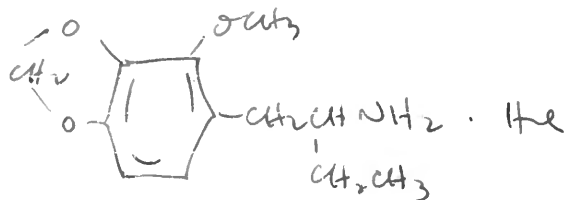
65 mg (TS)

mood elevation - see letter  
page 92

note Dow claims.

Subacute effects of  $\overline{XV}$ -105

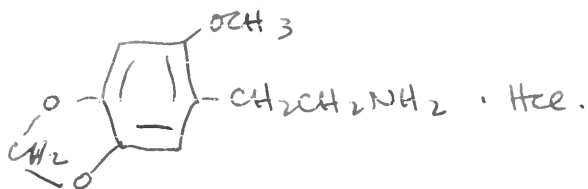
8/26/63



8/26/63	2:10 PM	AS.	dab.	no effect - very bitter as after-taste.
8/27/63	1:10 PM.	AO	dab.	no effect.
8/29/63.	6:30 AM.	AS	1.0 mg	no effect.
9/7/63.	5:50 PM		1.9 mg.	this ~3 hrs after light lunch. no effect.
11/30/63	1:35 PM.		3.5 mg	no effect.

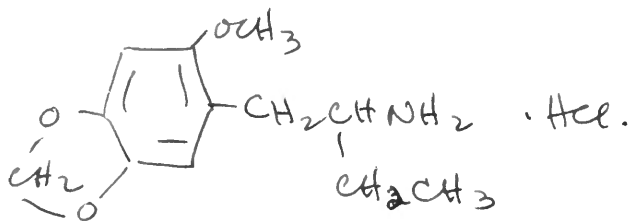
Subacute effects of XV-106

9/2/63



date.	time.	dose.	comments.
9/2/63	9:55 AM.	tabs (0.6 mg)	
	1:50 PM.	2.6 mg.	no effect.

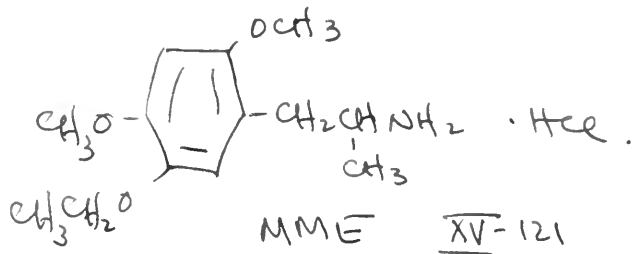
Subacute effects of XV-107





# Subacute effects of MME

9/3/63

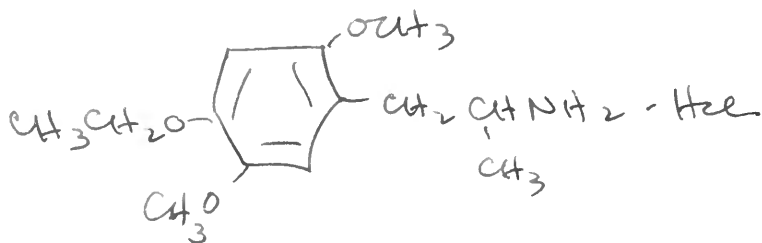


-	9/3/63	11:50 AM	ATS	0.3 mg	nothing.
	9/6/63	6:30 AM 8:20 AM		2.2 mg + 2.0 mg	Σ 4.2 mg. nothing.
	9/9/63	7:45 AM.		6.5 mg	9-9:30 maybe 10% dilat. - teeth rubbing was bit strange. probably nothing.
	9/16/63	6:40 AM.		9.9 mg	probably nothing because a bit apprehensive then nothing - like 65 mg.
	10/25/63	7:17 AM.		16.3 mg	probably nothing - unreal at ~9-10 AM. no dilatation - no rubbing. no toxics - a certain amount of panic at ~10-15 min then nothing believable no effect.
	~ 4/5/64	6:50 AM.		24.8 mg.	

Mouse toxicity 300 mg/kg dead 5 min  
 175 mg/kg convulsive twitching - dead 6 min  
 107 mg/kg twitching - dead in 5 min  
 75 mg/kg tremor - active behavior - OK.  
 100 mg/kg (5 mice) 4/5 dead. (20 min) 1/5 OK.

# Subacute effects MEM.

XV-136.



## MEM

Claudio's notes.

1. - 5 mg (IRVING) no effect
2. - 10 mg (BE) " "
3. - 15 mg (BL) threshold. Duration approx 60'. Reminiscence, anger
4. - 20 mg + 30 mg (after one and a half hours w. no effect). Onset of effects at  
 ↳ (BM) so: comparable to 75-100 µg LSD).
5. - 40 mg (BE). Comparable to 75-100 µg LSD, or 60 mg TMA-2
6. - { 20 mg (BN) threshold. after 2 hrs:  
 { 12 mg (adding to 32 mg): compared to 100 µg LSD
7. - 30 mg (AR) " " " or 60 mg TMA-2
8. - 30 mg (BM) " " "greater than 20 mg TMA-2

Conclusions: Threshold at 15-25 mg (20 mg enough for 5-6 but not 4)

{ For 3 Ss, 30 mg compared to 100 µg  
 { For 2 Ss 40 and 50 " " 75-100 µg

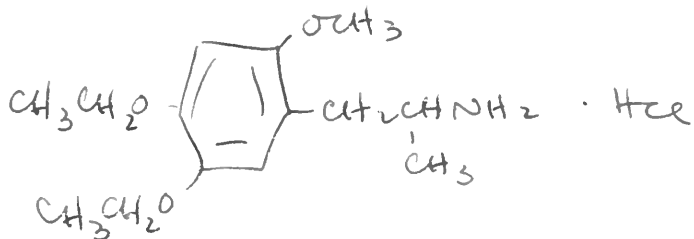
The latter seem ~~stronger~~ ~~40 mg~~ ~~stronger~~

psychologically more rigid and defensive. I would estimate in  
 30-40 mg the average effective dosage in psych-pts.

Comparison to TMA-2: Apparently more active.

# Subacute effects MEE

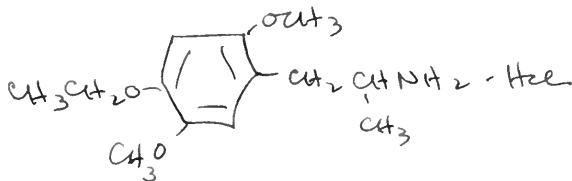
see XV - 150



DATE.	TIME	DOSE	EFFECT.
October 1 1963	9:45 AM.	0.4 mg.	no effect.
10/8/63	7:50 AM	1.0 mg	no effect
10/14/63	10:40 AM	1.7 mg	no effect.
10/17/63	10:15 AM	2.8 mg	no effect.
10/23/63	7:07 AM	4.6 mg	no effect.

# Subacute effects MEM.

XV-136.



date.	time	dose	effect.
14/63	3:55 PM	0.8 mg	no effect.
25/63	11:30 AM.	2.2 mg	no effect.
30/63	9:34 AM 10:44 AM	4.5 mg / 7.3 mg 2.8 mg	possible both ways & difficulty in eating at noon probably no effects. no dilation noticeable.
16/3/63	6:35 AM.	10.5 mg.	active, unquestionably see notes, page 80
8/11/65	GLADYS	7.5 mg	marginal, perhaps.
8/18/65	GLADYS	12.5 mg	purely threshold. p 112
6/66	GLADYS	18.4 mg	- peaks at 3 hrs. - out at 5-6 hrs. no sleep at 7 1/2 hrs. took Nembutal. Effect color and visual intensity - wavering of visual field. distinct emotional euforia. Extrapyramidal tremors.
11/19/67	AFS.	11.0	distinct threshold. p. 151

**FOLDOUT BLANK**

# Marginal effects MEM.

10/4/63.

## Subjective evaluation

Time 6:35 AM (O time for chronology.) dose  
10.5 mg<sup>(10cc)</sup> orally in ~ 15 cc water - at this  
dilution, no taste. M.W. 275.5 → 239 or 9.1 mg base  
at 184 lbs currently → 83.5 Kg ∴ ~~mg/Kg~~ 100 μg/Kg  
105.

- 0:45 slight pain, base of skull - probably not related.  
0:55 first intoxication - no sign of nausea at all  
was talking with IRVING and felt initial  
dizziness - ~~that~~ had to get up & move. Some  
physical poisoning in legs.  
1:15 tell AO - I knew I was intoxicated (in EtOH  
sense) but was not apprehensive. At that time  
I knew 50% increase in dosage would have been  
too much. Slight dilation if any.  
1:55. Mentally I seem to be OK. or at least  
rapidly mending - physical toxic signs  
persist. A bit disappointed that if I was to  
be physically poisoned, that I shouldn't be  
mentally entertained in compensation.  
3:35 Consume cookie from AO. clear as a bell but  
wish I could get out of noticeable but mild  
physical distress.  
5:20 consume two hot sandwiches & beer. ~~all~~ all  
over.

This is marginal but unquestionable real  
effect. - assume effective dose ~ 4 mg as above  
∴ 145 μg/Kg. ∴ at mesalun MU=1 3.76 mg/Kg  
this has 26 MU activity

I have read pages \_\_\_\_\_ to \_\_\_\_\_ in \_\_\_\_\_  
notebook and understand their content.  
There are no blank pages, except \_\_\_\_\_  
All entries are in the handwriting \_\_\_\_\_

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

# Subacute effects Anhalinine.

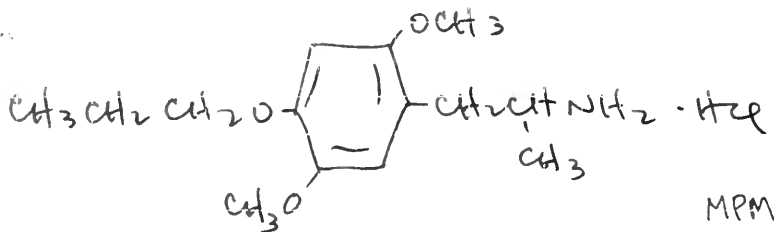


. Hze.

see XV-170.

date.	dose	time	comments.
11/12/63	0.5 mg	6:12 AM.	nothing.
11/14/63	1.7 mg	11:05 AM.	nothing.
11/27/63	2.6 mg	6:52 AM.	at 4:30 PM - vigorous diarrhea but then, hot salami sandwich and beer at noon. ∴ no effect.
12/2/63	4.3 mg.	6 AM	DANNY thought I was in a stage model I didn't - nor did anyone else <u>no effect</u>

# Subacute evaluation



See  
XV -171A

date	time	dose	comments
11/26/63	3:25 PM	0.3 mg	no effects.
11/27/63	1:15 PM.	0.9 mg	no effects.
11/29/63	6:15 AM 7:35 AM	1.6 mg 1.1 mg	2.7 mg. Probably nothing - some muscular and joint pains - but had been up since 3 AM & was tired - no effects.
~ 12/2/63	8:17 AM	4.2 mg.	no effects.
- 12/9/63	6:09 AM.	6.6 mg.	no effects - muscular pains and slight headache for 2-3 days following - probably a cold - lay off all compounds for a few days - 12/17/63
- 12/4/64	7:15 AM	9.0 mg	could kid myself marginal - <u>no effect</u>
- 3/20/67	9:45 AM.	11.6 mg.	no effect.
± 8/26/73	10:30 AM	14.0 mg	just barely threshold. this was 16 hrs post-absorb. at 3+ hrs - Very pleasant, enjoy the outside, marginal intox (clear behind the lab). My only profound thought; "I could have a P.T. if I wanted to look for one but I don't". At 4.5 hrs out. Thus - maybe a bit slower w action than MEM, TMA 2? On page 151, 11 mg TMA: reach threshold (at 20 M.U., 20 mg = active dose here - $\frac{17}{18}$ = active threshold? $\therefore 2/3$ , $\therefore 14$ M.U.??
- 5/13/77	9:00 AM	20 mg	[1:00] early morning? - n.e.



## Further effects of MMDA-2.

Report of Gours

9/3/63

had previously taken 7 mg - no effect.  
15 mg - +10

also see <sup>P.</sup> 109.

Total 25 mg. Stomach cramps were primary physical complaint

Found effects very unpleasant - had distinct mental aberrations - claimed as equivalent to 300 or 400 mg mescaline sulfate, i.e., effective dose.

as he is perhaps 70 Kg and this is  $\approx 21$  mg base he took 0.3 mg/Kg. - I shall keep the effective dose, still at  $\approx 0.2$  mg/Kg - this still is  $\approx 20$  M.U.'s.

## Further effects of MMDA 3-a

Report by Gours

first week or so  
November, 1963

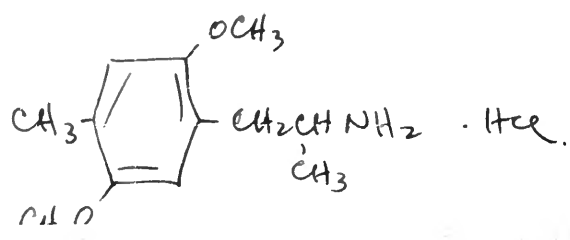
dosage 20 mg - no physical distress - at 1 hr. distinct euphoria - peak at 3 to 4 hrs - took sleeping pills at 6 hrs. felt to be somewhat more than marginal - not full.

in this - he confirms nicely my page 66 results at 20 mg.

MMDA 3-a is distinctly (though slightly) less potent than MMDA 2.

also stated  $\approx 140$  TMA

nor-oxy-4-TMA-2.



see XV-178

lets call it DOM  
s-oxy methyl

date to  
12/1/63 3:2  
1/6/64 7:1  
1/9/64 7:0  
2/3/64 GRAC  
between 2/3/64 and 3/10/64 HU  
~ 8/64 GRADY  
11/6/64 JAY  
sta

10 AM aware of  
stically  
12 eat - rather  
I doubt all -  
18 6 miles yesterday

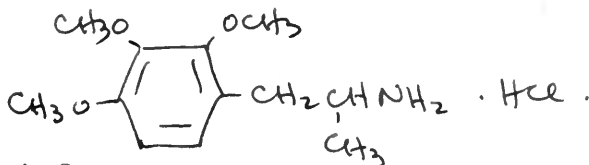
- page 88

- no effect for  
I peaked 8-9 -  
mescaline  
400 mg mescaline

02

# Sub-acute evaluation.

MW 225 + HCl → 260.5



TMA-3

see XVI-13

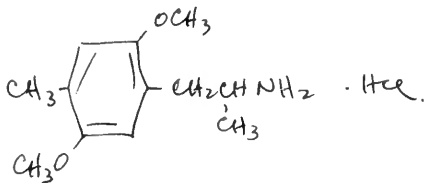
date	time	dose	comments
1/4/64	12:20 P.M. 1:30 P.M.	0.5 mg 2.5 mg	no effect. Σ 3.0 mg - no effect.
1/12/64	2:00 PM	6.2 mg.	1 hr no food - no effect
1/14/64	7:35 AM	10.6 mg	no effect whatsoever. (113 μg/Kg) <sup>no base</sup>
1/20/64	7:00 AM	15.1 mg	no dilatation, no effect. (161 μg/Kg)
1/22/64	7:07 AM	20.6 mg	at 8:31 possible touch light headedness - otherwise no assignable effect. (220 μg/Kg)
1/28/64	7:00 AM	26.6 mg	trivial if any - must say, no effect <sup>at 300 μg/Kg</sup> <sub>at 77 μg/Kg</sub>
1/31/64	7:10 AM	36.5 mg	no effect - light diarrhea 2 hrs - headache PM.
2/5/64	6:50 AM 8:40 AM 9:45 AM	51.1 mg 0 12.1 mg 1:50 14.8 mg 2:55	Σ 78 mg - no effect - no dilatation - no diarrhea no believable diversion from complete normalcy. normal appetite

~ 8/67 KOZ. ~ 100 mg - physical effects - no psychosis

TMA-3 (≈ 100 mg ?) Physical sensations comparable to 100g LSD, with no psychological effect, or threshold: passivity, mostly. Duration about 12 hrs.

this is < 2 M.V.   
 end of trials - no more.

nor-oxy-4-TMA-2.



see XV-178

lets call it DOM  
[4] des-oxy methylp

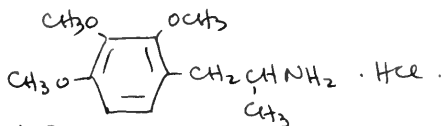
date	time	dose	comments.
12/1/63	3:22 PM.	0.2 mg.	no effect.
1/6/64	7:10 AM.	1.0 mg	almost certainly an effect !! ~10 AM aware of slight dryness in mouth - eyes noticeably dilated - some fading overall - 12 eat - rather clears up. 2 PM certain OK and I doubt all - P.M. fine - hip muscles hurt but I hiked 6 miles yesterday.
1/9/64	7:05 AM.	1.4 mg	very definitely effective see page 88
2/3/64	GRAYS	2.3 mg	effective. see page 92
Labneon off 2/8/64 on 2/10/64	HUPH	2.5 mg	trivial effect.
2/8/64	(LAMP)	3.8 mg	effective - initial communication - no effect for 5 hrs: had given up - it hit and peaked 8-9 - down at 10-11 - no color but mescaline rarely shows color. Equates to 300-400 mg mescaline
11/6/64	JAY	4.1 mg.	thoroughly effective see page 102

Studies continued on p. 212



# Sub-acute evaluation.

MW 225 + HCl → 260.5



see XVI-13

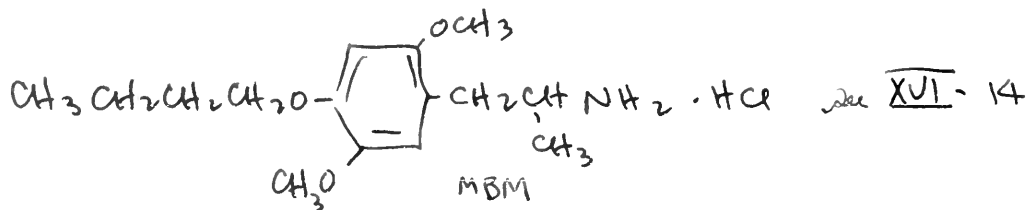
TMA-3

date	time	dose	comments
1/4/64	12:20 P.M.	0.5 mg	no effect.
	1:30 P.M.	2.5 mg	$\Sigma$ 3.0 mg - no effect.
1/12/64	2:00 PM	6.2 mg.	11 hrs no food - no effect
1/14/64	7:35 AM	10.6 mg	no effect whatsoever. (113 $\mu$ g/Kg) <sup>no base</sup>
1/20/64	7:00 AM	15.1 mg	no dilatation, no effect. (161 $\mu$ g/Kg)
1/22/64	7:07 AM	20.6 mg	at 8:31 possible touch light-headedness - otherwise no assignable effect. (220 $\mu$ g/Kg)
1/28/64	7:00 AM	26.6 mg	trivial if any - must say, no effect <sup>at 300 <math>\mu</math>g/Kg</sup> <sub>at 77 <math>\mu</math>g/Kg</sub>
1/31/64	7:10 AM	36.5 mg	no effect - light diarrhea 2 hrs - headache PM.
2/5/64	6:50 AM	51.1 mg	$\Sigma$ 78 mg - no effect - no dilatation - no diarrhea no believable diversionism from complete normalcy. normal <sup>affe-like</sup>
	8:40 AM	12.1 mg	
	9:45 AM	14.8 mg	

~ 8/1/67 KOZ. ~ 100mg - physical effects - no psychosis.

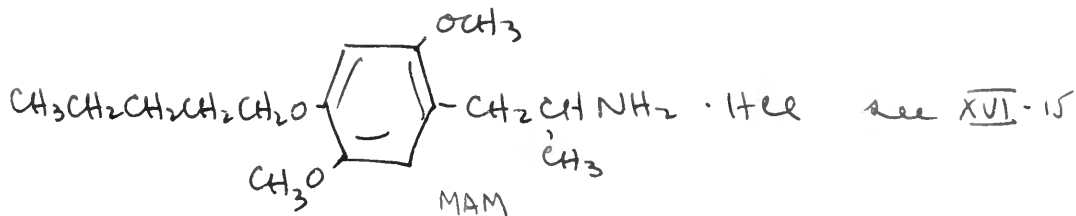
⇒ This level, of MMDA for example (see page 21-22) very distinctly active - even at 55 mg very noticeable.  
 this is  $\therefore$  < MMDA - as first noticeable is going to be  
 > 100 or > 80 as free base / 76 Kg is > 1 mg/Kg as base  
 effect must be  $\approx$  2 mg / Kg - as M.V. of 2.0 = 1.87 mg/Kg  
 this is < 2 M.V.  
 end of trials - no more.

# Subacute evaluation.



date	time	dose	results.
1/7/64	7:00 AM	~150ug	no effect.
1/16/64	7:10 AM	1.1 mg	no effect.
2/3/64	7:15 AM	2.0 mg	no effect.
8/25/73	12:45 PM	4.0 mg	no effect.
8/26/73	10:00 AM	7.5 mg	no effects.
11/14/73	11:00 AM	10.0 mg	no effect.

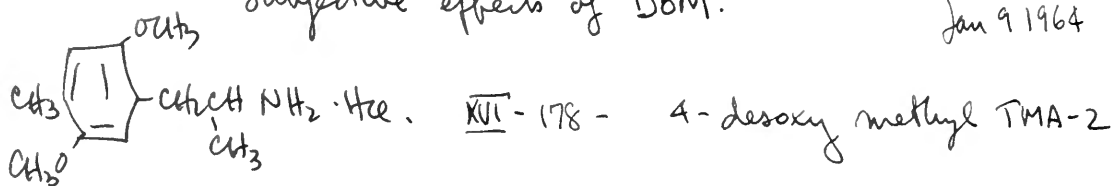
# Subacute evaluation



Aug 24 1973	10 AM.	1.0 mg.	N.E.
Aug 27 1973	10 AM	2.0 mg	N.E.
Sept 2 1973	11:20 AM.	4.0 mg	N.E.
Oct 7 1973	10:15 AM.	8.0 mg	N.E.
Nov 13 1973	10:30 AM	16.0 mg	N.E.
Nov 27 1973	10:30 AM	16.0 mg	at 3:40 hrs (2:00 PM) pressure in chest & head, no pulse change, no mydriasis - at 4:15 hrs (2:45 PM) all gone. ∴ N.E.

# Subjective effects of DOM.

Jan 9 1964



Dosage - dissolved 1.6 mg as ·HCl in H<sub>2</sub>O - pipetted out 1/8 → 1.4 mg  
 computed down to free base 1.19 mg call t.2  
 at currently 180 lbs → 81 Kg = .0147 mg - 14.7 µg/Kg  
 thus - assume initial at 11 µg/Kg - max  
 differentiate at 20 µg/Kg - ~~max~~ and effective  
 (useful) at 17 µg/Kg = 220 MU. ! This is too optimistic  
 probably ~ 1/2 to 1/3 better value

Times corrected to 0 hrs at 7:05 - moment of ingestion.

1:15 - am talking to AM in his office - am suddenly aware of warm flushing and tingling in gen. relia - the usual hint that I am going to be sick. My mouth is very dry. I want to leave and tell AO but I cannot for several minutes.

2:05 - teeth are quite rubbery - there is the feeling of heavy pressure on the ears - as if some one were squeezing my head - mouth has the taste of having smoked far too much the night before - (haven't smoked since 1962 - no ~~ETAH~~ for 9 days). I would like to go outside and run away but I am afraid my heart wouldn't take it.

3:15 Morning is creeping along - I feel I am paying a physical price without any mentally distorted reward - I feel at this point - at a somewhat higher dose - this will be a psychotomimetic.

3:35 To greenhouse - distinct pleasure in looking at the lush salvia divinorum - the smell fits the appearance - signs of visual distortion - at a



somewhat higher dose things would creep and crawl.

4:00 Still at it - considerable hyperventilation - eyes dilated 10-15% over normal

4:25 I think I start out here - do not have any desire to eat but I do eat - and complete my lunch (chicken, banana, apple.)

7:10 eyes ~20% dilated - I am still shaky as if my body had had a vigorous drug blow - but mentally I am O.K. - ~~and~~

one or two more awarenesses in afternoon (at ~8, ~9 hrs) P.M. fine.  
next A.M. fine.

MMDA - Responses. late - 1962

### MMDA Experience

One half hour after taking a dose of MMDA, I felt some nausea. This lasted for a short period (15-20 minutes) and seemed to be connected with cigarette smoking, which was discontinued for the rest of the day.

Then there came a temperature change. I had some chills and felt somewhat dizzy.

Finally my whole body became relaxed, languid. A wonderful feeling. A peace and well being came about. It was just a joyous feeling. Every one and every thing around was harmonious.

The colors were only a hint of  
the new perception perceived.

before. They seemed to take /  
on another dimension.

I've lost its meaning.

Reflexes, senses, body movements  
all seemed normal.

The only difficulty I experienced  
was at the beginning of the day,  
trying to light a cigarette.

It took twice as long, it  
couldn't seem to bridge  
the distance, peculiarly, between  
the match and cigarette.

It was a most beautiful  
experience. CAKE S

M.M.D.A.

W.D.V.  
COWBOY

RECEIVED GOOD FEELINGS FROM  
DOSE, WHICH LASTED FOUR TO SIX HOURS.  
SEEMINGLY ABLE TO CONCENTRATE  
ON THINGS MORE SO THAN USUAL.  
FEELINGS OF PEACE, QUIET, AND  
CONTENTMENT. LOVINGLY FEELINGS  
FOR EVERYTHING.

Dear Susan -

A quick report on Bob, since even if I could give you a brief something of this

10 mg. - no effect, slight mood elevations.

15 mg. - slight mood elev., a little greater than before.

- Feb 20 mg. - mood elevation at 2-3 hours after I was  
intentional extreme became more pronounced, enthusiasm of color also  
the definition of perspective no discrimination, no creeping or flowing,  
a little enhancement considerable. The emotional content and empathy for  
the - in clear to stress a turn to amphetamine, a definite change.  
the - also the - his own well-being as to his talk my of T.H.H. (c ~ 50%)  
a markedly different, in the emotional polygraph or respiration. As  
reaction of several mg. dose, toward the end of 10 mg. some intestinal  
disease - intestine, pump, a directly comparison to drug - major effects  
nothing at 8 hrs. Unable to say if 10 mg. talk program Seronil.  
He has not a strong and clear, some probably attributable to several  
I could get more ethanol in dose = 20 mg. (insulin = 50%), or 10 mg. response  
but very good.

ERROR - HE HAS NEVER RECEIVED THIS FROM ME. HE MEANS  
2,4,5 OR 2,3,4. By phone, he meant 2,3,4. 1/5/64

10 mg. for 5 months, 4.5 x ethylene story is pre-ethylamine. I

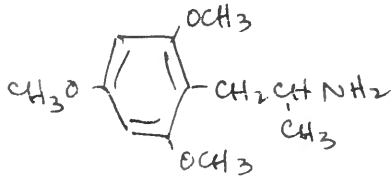
was up to 65 mg with nothing more than a very pleasant mood elevations.

I'm sure I have enough material to go higher - that this is the first  
note. When it is a bit of the same have. Worth it for the record.

I trust you will have gone another factor of 10 by the time you get this

GLADYS

Subacute evaluation  
~~Subjective effects~~ TMA-6



TMA-6  
 XVI-21

date      time      dose      results.  
 TMA-6      epin LSD

1. (AS) { 15 mg > 25%  
           { 15 mg 50-75%

only - no effect.

2. (BO) 30 mg 50 "

3. (BP) 40 mg 100 "

4. (BA) 40 " 75 "

5. (BQ) 40 " 50-75 "

6. (AF) 60 " 100 "

7. (BR) 60 " 100-150 "

8. (AJ) 60 " 150 "

9. (EV) 60 " 100 "

10. (BS) 60 " 100 "

11. (AT) 60 " 100 "

12. (AD) 70 " 75-100 "

13. (BT) 80 " 100 "

{ 14 (BL) 80 " 100-150 "  
 { 15 " 60 " 75-100 "

( < 40 mg TMA-2 ) dose see 98

( = 60 mg TMA-2 ) marginal? ?? some

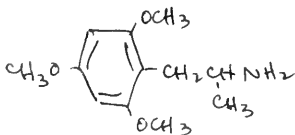
there were be aware of 2 with effect - maybe this is valid!

asant  
 by LSD.

! discrimination between 60 mg and 80 mg

**FOLDOUT BLANK**

Subacute evaluation  
~~Subjective effects~~ TMA-6

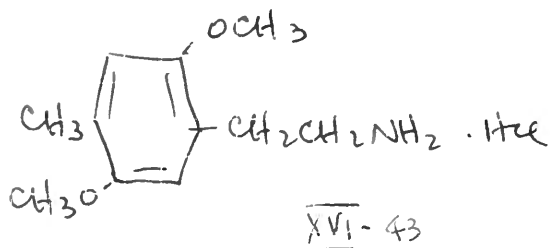


TMA-6

XVI-21

date	time	dose	results.
2/26/64	6:00 AM.	0.4 mg	no effects.
3/28/64	8:30 AM	1.2 mg	no effects.
5/21/64	7:05 AM	2.5 mg	could kid myself - trace stargy - go slowly - no effect.
5/27/64	7:00 AM	3.8 mg	slight shakes at noon - no effect.
7/1/64	7:20 AM	5.5 mg	probable threshold level - at 8:30 there were be transient vertigo, flashes - at 9:10 was aware of some intox. sat through seminar 10:30-12 with marginal disrupt. <del>ate lunch</del> <del>off</del> worries of nausea - no nausea - bloated - <del>early afternoon back to normal. maybe this is</del> <sup>valid!</sup>
7/7/64	7:10 AM 7:10 AM	7.8 mg 3.6 mg	$\Sigma$ 11.4 mg marginally effective dose <sup>page 98</sup>
2/15/66 3, 5, 66	tried 2/10/66	11.7 mg 18 mg 18.3	1. stated trip a few days earlier - marginal? 2. nearly convincing threshold ??? some eyes-closed imagery
~7/3/66	via KOZ	30 mg + 30 mg	active: visually. <sup>very</sup> pleasant
1/3/67	via KOZ	26 mg active 40 mg - little effects + 2 psychiatrists 60 mg - mild 40 mg - in chite: I am going crazy $\cong$ 100 mg LSD.	

# Subacute evaluation.



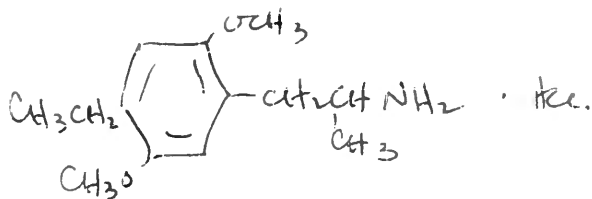
the 2-carbon  
analogy of DOM.

date	time	amt.	effect.
3/2/64	7:00 AM	0.3 mg	no effect.
5/6/65	6:00 AM	0.75 mg	no effect.
5/30/65	12:15 PM	1.4 mg	1:20 - funny taste in mouth - no eye dil. no effect.
7/22/65	6:20 AM	2.7 mg	no effect.
8/24/65	7:00 AM.	4.5 mg	9:00 teeth rubbery - thats all - no effect.

See more complete notes on page 175



# Subacute evaluation.



DOE.

date time amt effect.

- late Feb. 1964 - 0.2 mg no effect.
- 3/16/64 7:20 AM 0.5 mg  
9:00 AM 0.2 mg  
Σ 0.7 mg - possibly a wee bit starchy and strange at 9:00 - no more - ∴ no effect.
- 4/24/64 7:00 AM 1.0 mg  
(weighed out - into water 1 mg/g - vol.)  
at 9:00 AM decline more - there is a believable disturbance 9-12 noon - I think - but this is a marginal level - If so - is more effective than DOM - maybe
- 8/27/65 7:00 AM 1.5 mg (ATC) This is an unmistakably effective dose: see p. 110
- 9/28/65 1.7 mg (GLADYS) yes yes - see p 111.
- 0.7 mg (GLADYS) (day not ERIN)
- 1.0 mg ATC (Monday - after Sat in Reno).
- 4/4/8/67. 7:45 AM 0.9 mg ALCO at 12 AM apathy - build up of under-  
frame - outside - better at 3 PM - under control  
5:30 - PM - funny - Am - to work - but I had -  
ache - etc - next day PM OK - bed early.
- 20 1971 2.0 mg BU IV - intense and immediate response -  
with an overwhelming effect equated to  
at least 250 µg LSD. None of the  
Snyder "non hallucinogenic" synergizer -  
this was dramatically hallucinogenic and  
disruptive.

# Trials of S. divinorum

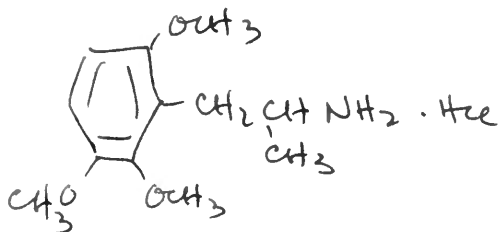
see page 63

base on  
960g → 30g.

Injection of "salvose" - the glassy extract from  
the first annual workup.

<u>date</u>	<u>amt</u>	<u>leaf. equiv.</u>	<u>effects.</u>
6/9/64	7:35 0.22	g	
	8:45 0.25	g E. 15g	none
6/12/64	6:55 0.6	g	20g none

# Subacute evaluation



TMA-5.

date	amt.	effects & comments.
7/2/64	7:20 AM 0.2 mg 10:55 0.3 mg 11:50 0.3 mg	no effect or what must be considered subjectively ~ 0.6 - 0.7 - nothing.
8/5/64	7:25 AM 1.0 mg	no effect.
8/14/64	7:30 AM 2.2 mg 9:00 AM 2.0 mg	± 4.2 mg no effect.
9/3/64	7:10 AM 7.0 mg	very bitter - no effect.
9/17/64	8:10 AM 10.1 mg 9:25 AM 3.7 mg	± 13.8 mg I could kid myself ± activity - not probably real - no eye, etc. no effect.
9/30/64	8:40 AM 18.2 mg	10:30 appearance of slight stimulation - 11:30 hint of eye dilatation pulse 84. If this is the marginal edge of intox. then this is not a psychoforminetic but is a stimulant - go carefully.
8/8/67	CIN. ~ 100 mg TMA-5 30 mg	30mg ≈ ~ 70 µg LSD Long and intense introspection. Duration 8-10 hrs. Comparable to ± 75 µg LSD, or more.

Subjective Response to TMA-6.  
see page 92

July 7, 1964

Chronology. - corrected back to 7:10 AM = 0 hr.

0 hr. 7.8 mg. in the orally - virtually no taste. no eye dilation & no indication of any effects

1.5 hr. eat doughnut - 1<sup>st</sup> food 12 hrs.

2.0 hr. 3.6 mg. no further effect.

4.0 hrs. had concluded that there was to be no effect - decided not to supplement dose however, as there was the slightest indication of pupillary dilation. I tell AO of failure.

4.3 hrs. 1<sup>st</sup> distinct awareness of physical and mental effects. Very disturbed as this ~~is~~ indeed may be the crest of activity showing up and will subside - ~~or~~ or this may be start of a much slower onset of actions. warmth in base of belly

4.8 hrs. Eat lunch - no difficulty, unlike low levels of mescaline, when eating (mouthing) of food is virtually impossible. I was ~~logically~~ in my discussions during lunch - seemed to be able to think clearly but still held to much anxiety. I remember the interesting urge to be ill, but not from the top of my stomach but from the bottom. Consequently vomiting would be

unless in relief, and had to urinate to  
release. There was no movement of things,  
no color effects, no paraesthesiae.

6 hrs. Accepted opportunity to go to Western Regional  
labs  $\bar{c}$  AQ - However the question of  
crest vs. onset of long action (DE) was  
not resolved so withdrew and stayed  $\bar{c}$   
AO. Since his LSD he is an excellent  
understanding observer. I don't know if I  
could count on AQ - At least at this  
moment I didn't want to.

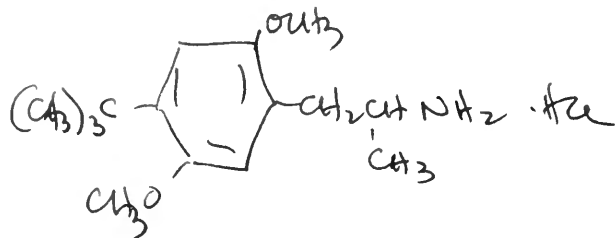
6.3 hrs. First completely clear moment - 10  
minutes or so. It was comforting to know  
it would clear.

~ 8 hrs. all O.K. - felt quite tired - home -  
2 drinks - good dinner - hot shower and  
slept excellently.

4.8 hrs. just work - absolutely nothing.

This material appears to be of about  
the same potency, although considerably  
slower acting, as (than) TMA-2, of which  
I was occasionally reminded. Activity thus in  
the 15-20 M.U. level.

# Subacute Evaluation



DOTB

XVI-III A

Date	Time	Dose	Comment
5/7/64	7:20 AM	10 $\mu$ g	- $\Sigma$ 25 $\mu$ g - no effect. (this by 1.7 mg + 17 $\mu$ g H <sub>2</sub> O. 100 mg soln = 10 $\mu$ g)
	9:20 AM	15 $\mu$ g	
8/11/64	7:20 AM	50 $\mu$ g	- $\Sigma$ 100 $\mu$ g - no effect.
	8:40 AM	50 $\mu$ g	
8/15/64	8:30 AM	150 $\mu$ g	- $\Sigma$ 250 $\mu$ g - no effect.
	9:40 AM	100 $\mu$ g	
9/10/64	7:40 AM	400 $\mu$ g	- no effect.
11/7/72	10:20 AM	700 $\mu$ g	- no effects. (3 PM - facial flushing!) - N.E.
1/10/72	9:45 PM	1.1 mg	- no effects.
11/19/72	11:00 AM	1.5 mg	- no effects - nothing! - (Sunday).
1/10/73	7:20 AM	2.5 mg	about a week (for my culture) ago I found I took about 2.5 mg of DOTB - as I recall I thought it sweet, and was a bit interested (social) in PM? This is not particularly sweet (a bit bitter), and again this I recall a bit more interested in afternoon? - Probably no effect.
1/30/73	7:30 AM	3.5 mg	- no effects (couldn't sleep that night until 3 AM but then - 3 cups of coffee at dawn and before this ACT-plein (you can't take it with you) note book and understand their contents. There are no blank pages, except ----- All entries are in the hand-writing
8/6/73	12 noon	5.0 mg	- no effects.
2/25/74	1:35 PM	8.0 mg	- no effects. (bitter, if anything). <12
8/5/76	11:15 AM	11.0 mg	- no effects
8/21/76	12:00 noon	16.0 mg	- n.e.
11/24/77	7:50 AM	25.0 mg	- n.e.

1st found note, 2.4 mg 6:50 AM  
 December 20, 1972 - tasted sweet.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_  
 Signed: \_\_\_\_\_ Date: \_\_\_\_\_

# Animal Pharmacology on DOM.

Jan 22, 1964. White mice (FLORENCE) (B.A.)

40 mg/Kg (IP) - 15 minutes - shakes - in 0.5 hrs. all animals have developed a strange shimmer, their eyes half closed. For the next hour they keep moving but in a scrunched up manner. ~~Complete~~ <sup>Apparent</sup> recovery after another 2 hrs. AM OK - no dead. 0/5

60 mg/Kg (IP) - 10-15 minutes there was head vibration - by 30 minutes there was a wild continuous leaping and compulsive somersaulting. For the next hour - clawing, vocalization. A.M. 1/3 dead - others slowly ~~recover~~ recover.

80 mg/Kg (IP) - 5 min compulsive chewing; 9 minutes 1/4 dead second ~~at~~ at 15 minutes. Others  $\bar{c}$  severe clawing (all 4 feet) at 1.25 hrs 3/4 a.m. 4/4 dead.

160 mg/Kg (IP) 5 min 2/5 14 min 5/5 dead.

Jan 31, 1964 - 2/18/64 New Zealand Rabbits (Eble)

1 mg/Kg (IV) 2 rabbits - both showed tremor, difficult respiration, some cyanosis. 24 hrs. all normal.

2 1/2 mg/Kg i.v. 2/2 dead

5 mg/Kg i.v. 2/2

10 mg/Kg i.v. 1/2

DJM

64,11,06

Subj JACK

Time AM

Administered 4.1 mg  $\odot$

10:50 - 0

↑  
11/6/64

First effects -  
sl. tremor

11:20 - :30

Psychic effects -  
Eyes at Time

Swish  
no oil!

12:20 - 1:30

might have noticed earlier  
if not conditional

Full blown  
Delirium

1:20 - 2:30

Some what like Headline  
Color?

Unsettled shudder

Tight jaw, relaxing

1:30 - 2:40

Not clear anything

Little more in am become

34/20, B&W reversal trigger

old class up, you control

off to control

not a few more to do it

to avoid or regular

Not motivated to sharing opinions

1:50

Still in am

More conscious (like am to train)

More conscious (not of the world)

Like a child with a machine

Falls a little sick

Time seems like next day

2:00

3:10

Tight jaw



3:30  
4:00  
5:00

light intoxication - feels better - not sick  
Experience becomes pleasant (GREAT)

you hear like this  
Visual experience - fragile hallucinations  
Pulsating colors, postals  
Mixing of color different - can't describe  
in words in this

5:30

Beautiful experience  
You MUST try it  
Like nothing else ever experienced  
Not as shocked as 2 hrs ago  
Not nearly high  
Detached from but fascination with  
a permanent change - The Clouds!  
Dynamic experience -  
The night sky

True  
Relative

6:30 7:10

Eyes dilated.

He said (12/10/64)  
that of mescaline, peyote,  
LSD, cannabis - all -  
this ranks number 1

m

no sleep (1-1/2 hrs at most)

novel & constant.

normally no color & msg

AM - all OK.

Additional data MMDA.

Lot #2

date	amt	<del>notes</del> <sup>time</sup>	notes
5/16/65	4.8 mg	1:50 PM.	nothing.
	20.2 mg	3:00 PM	$\Sigma$ 25 mg. (ATS) nothing.

This lot to AC (BEV) for work of August 1965. also to Hill top for their pharmacology.

## Subjective to MDMA.

Subject KOZ  
Obs. BV, ♀ friend.  
amt. 100 mg / .4cc  
date. ~ 6/5/65.

Could have believed that the mild euphoria was him, that day, but he knows it's MDMA → Took great pleasure in being open and talking about his own life.

- Pleasure of sharing his life with the others present.
- how can one describe this state of inspired and enjoyable ability to communicate, of communication.
- there were no autonomic problems at all.
- enjoyment of being one's own center, of being authentic.
- At one time (~5 hrs?) = eyes closed, one color-view.

Subject ♀ friend BV (Bija)  
Obs. KOZ, BV = 300 mg Harmaline  
amt. 100 mg  
date ~ 6/5/65.

→ suggest to KOZ that ♀ = 10 µg LSD might be more sympathetic to BV = harmaline. Use MDMA instead.

- for 4-5 hrs. sat cross-legged without moving, a beautiful smile on face
- seemed ecstatic - could not be bothered to close eyes.
- at 4.5-hr lay down, closed eyes and somewhat structured visions came. No fight to avoid or escape these visions.

BV's recount of ♀ friend's effects  
see page 116

## Subjective DOM.

Subject JACK  
date ~ 6/1/65  
4.9 mg.  
in L.A.

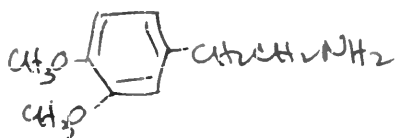
→ distinctive visual effects - but could check them out with a clear mind.

→ feels the psychic aspects overrated more an effect on eye systems, or on retina. As if the color sections were affected separately.

→ Chronology - again in two peaks - one is at normal time, and might be missed as it is quite inconspicuous. The other occurs after several hours.

→ By his own admission, this was an extremely emotional period (had just lost his young son) and he perhaps was ~~quite~~ incapable of psychic response.

# Subjective evaluation



date amt time notes.

7/2/65 1.9 mg 5:00 AM  
 + 2.7 mg 5:40  
 + 4.0 mg 6:50  $\Sigma$  8.6 mg no effects whatsoever

6/7/65 12.9 mg 6:40 am no effect. sent 5g Naranjo.

7/13/65 20.8 mg 10:50 am no effect

~7/65 KBZ 10 mg  
 + 2 days 50 mg  
 + 2 days 100 mg  
 + 2 days 200 mg  
 + 7 days 500 mg - all with no effects whatsoever.  
 he at 66 Kg  $\rightarrow$  7.5 mg/Kg.

~7/65 XX 500 mg no effects

~7/65 YY 500 mg no effects.

4/26/67 LAL: 1.0 mg II no effect.

2/27/67 ATS 2.0 mg II no effect.

5/2/67 LAL: 1 PM 5 mg IV no effect (here & now at 3 PM?)

5/2/67 ATS 4:30 PM 10 mg IV - (arrived 1 min -) no effect).

T.S. z TMA-2

20

*[Faint, illegible handwritten notes]*

24 July 60

118

*[Faint, illegible handwritten notes]*

*[Faint, illegible handwritten notes]*

11 Sept 63

GLADYS = MDMA-2

Stracharia -

These experiences - (1) the reprint you wanted

of my name prominently in a review. I was told in your magazine

by Gili's compounds possible chemical program.

Compd #2 tests 25 mg. a typical equivalent to 150 mg.

TMA, little opportunity to experience effects. Had

the same strong anti-tremor effect TMA effect 3 and no rage

reaction to this as the TMA. Virtually got the masculine reaction

right a 12 hr. (later comb) water 2 to 4 hours passed at

all need to stop repeated effects. I was a large. Unusually

from 5 to 10 hrs acute abdominal distress, resembling yours but

but unable to detect. Abdominal muscles tight and hard. This

occurred for about 15 minutes every hour or so. Rather unpleasant.

At 3a does not have this effect, I would much prefer it without

that methyl group, i.e. the masculine reacting instead.

We should get together again soon: HOWIE will be in

a sweat for a while until her teaching gets settled into some kind of

groove.

Tried HUGH'S Stracharia: 50 mg. produced effect approximately

like 305-402 mg. mescaline. I thought not as pleasant.

See Gili

GLADYS

# Response to DOE

8/28/65.

Experimental date 8/21/65.

Consumed 1.5 mg of  $\text{DOE} \cdot \text{H}_2\text{O}$  at 7:00 AM. This was fairly accurately measured by weighing out mine and diluting in water (1cc/mg) and taking 1.5cc (g) of the solution.

## Chronology of events

Time	Normalized.	Event.
7:00 AM	0-	ingest.
9:00-9:30	2-2 1/2	aware of tingles
10:00	3	some visual effects, subtle, as the sparkle.
11:00	4	Start the ebullition, the mood used to be quiet. Really high. some colors.
12:00	5	bridge (!)
2:00 PM.	7	some of the visual subsides - mood still ↑ & trying to place events (w.w.v.)
4:00	9.	no visual, but still uninhibited mood (as in ethanol) - bubbling still
6:00	11	} energy galore - talk, talk, talk -
10:00	15	
11:00	16	to bed in anaesthesia of wine.
6:00 AM	23	out of it after sleep - no exhaustion.

This is without doubt the most effective, potent energizer that I have ever experienced. It certainly should be exploited.

ON 



→ Details on DOE  
continued:

FOOD  
The effect of DOE on the mood is certainly the most startling. Although I was aware of almost hyperthyroidism in the period 4-10 hrs., the effects were clearly visible by Nina on into the evening (to 16 hrs.). She described my behavior as a wound up record that went on and on, and at the end someone picked up the arm, and placed it at the start again.

There was a drunk-like loss of inhibition to all behavior and speech. At bridge (5 hrs) I bid 3H over an opening 1H (from my right), to see AO's responses. He alone was aware of the experiment. (I held the inadequate 7 heart suit to the AQ109, ~~an~~ an outside singleton, an Ax of ♠ and 3 losing diamonds). There was the joy of experimenting with others.

NO20021  
Not too much sensory change, except for the apparent sparkle on everything. It was like looking across the ripply lake towards the sun. Every bit of light reflex in hand some degree of enhancement. Color changes were not noted, although the texture of the face (AO) was distorted.

31021-1  
- Pretty clear most of the time - this was the date of XENON's leaving for New Jersey, and it was during the day, that word got around the lab. As I had been told in confidence, and I was not sure who officially knew or not, and I was somewhat unwell  $\pm$  DOE, I felt quite confused. However, this day also I had the academic problems of dextroamphetamine, making Dce etc, and these were kept clear.

At perhaps 3 PM there was muscular problems in the legs at 4pm my familiar kidney pains. After dinner (6 PM) all was fine and no more problems.

GLADYS ~ 9/28/65 1.7mg. Hcl - intense lethargy - got absolutely nothing done all day - next day suffered the most profound depression he has ever suffered. Possibly DOE at fault.

GLADYS m MEM.

MEM

7.5 mg no effect, or very slight at most.

12.5 mg 12<sup>30</sup> pm 18 Aug 65 Lunch eaten approx. 10 min later.

4-6 pm, peak of effect. Just above threshold.

Effects wave-like, come and went. Color and sound enhancement; empathy not marked, but not markedly absent either. At one point got flickering of peripheral vision, but only briefly. To some extent prey to anxiety and paranoid "premonitions". Completely down by 10<sup>30</sup> pm.

~~This threshold, is less than the threshold of TMA-2 at this~~  
not up to TMA-2 thresholdwise.

$$\begin{array}{c} 12 \\ \text{MEM} \end{array} \cong \begin{array}{c} 9 \text{ TMA-2} \\ 10 \end{array}$$

or better.

TMA-2 (at 10) > MEM at 12.5

MMDA ex Chile via KOZ

KOZ Subject  
200 mg.  
~ July 1965

Anxiety; insight (upon which he elaborated to great detail; could turn on and off at will -

Had tea w his mother, and she had no indication of intoxication.

Generally unpleasant - found himself concerned more with personal life, less with mythology which (the latter) is what he prefers and experiences under other drugs.

A delusional  
Scientific Med student  
background; yajé  
also yajé (harmaline)  
→ mescaline

250 mg MMDA. ~ July 1965

called in panic - by time  
KOZ arrived, was happy - was doing  
pseudocalothetic. very pleased  
with himself

→ rebelled against suggestion  
of closing eyes - stated "was a  
very bad question". when eyes  
were closed, unpleasant feeling  
- 2<sup>nd</sup> hour. rebellion only when  
attempt made to delve into the  
person.

4<sup>th</sup> hour - KOZ returns again - subject  
was pleased with some of his visual illusions. Specks on wall became  
insects.

→ 500 mg Harmaline → unpleasant  
→ (E dramatic) bad  
vomiting; cats → leopards - anxiety -  
open door to interest in taoism - has  
become humble-like studying.

→ 300 harmaline + 200 mescaline  
less visual, less feeling - but has  
concepts without images. Colors OK

300 mg MMDA ~ July 1965

enjoy music - immense self-visit -  
recognizes love for KOZ. - rights poetry  
again. Here KOZ feels high therapeutic  
value - eyes closed imagery OK. but  
is mainly intensification of feeling.  
here is felt to be > mescalin or  
LSD.

again - auto controllable.

♀ subject visually oriented -  
Extremely unpleasant history  
w harmaline - led to  
amnesia, convulsions. w mescaline  
'KOZ is monster, also chair is a  
monster.

Originally frigid hostile, but a  
poet. w harm & mes work → gentle-  
~~but~~ but no poetry.

## more MMDA.

BV  
150 mg  
11:45 AM  
~ Aug 1965

### Details onto page 118

general comment - gentle - like pot  
not hard like CO<sub>2</sub>, LSD  
at noon (15 min)

Some nausea - methadone effects

(30 min) LSD effects in the camp fire.

felt withdrawn - had cramps in stomach (as with LSD) - the  
visual field was lightened with eyes closed.

(1-1.5 hrs) - time slows. - geometric patterns. excess light  
kills the eyes-closed patterns

- there is chest numbness, warmth - some vertigo  
with eyes open.

- No taste in mouth (LSD yes, mescaline no)

- passive introversion

- people appear on beach - no paranoia (LSD yes)

- after images bright - long lined - 3D corridors, faces  
upside down - dry mouth only slight (LSD dry dry)

- some color effects, telepathic maybe - feels could  
be useful as an introductory drug.

- Benign - can turn on and off.

2 types of hallucinations:

- ↳ retinal (looking as into a basket)
- ↳ occipital (whole field)

♀ same  
time

150 mg easy in, easy out; (grouchy, withdrawn)

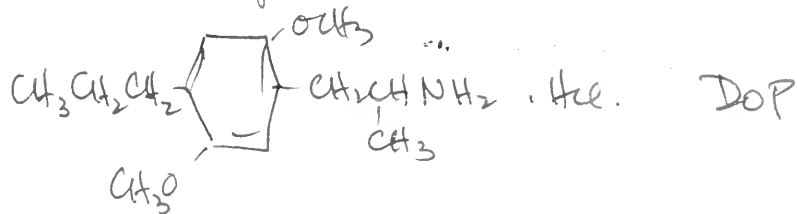
♂ JAY

150 mg Time disorientation (6 hours duration)  
unable to drive car. this report in  
original words

He mentions Exodus Chap 30 p. 23.

page 117

# Subjective Effects.



date	amt.	effect.
10/10/65	0.25 mg	none at all
10/14/65	9:00 AM 0.45 mg	no effect.
1/6/66	10:40 AM 0.70 mg	no effect.
3/13/66	9:50 AM 1.05 mg	this is a marginally effective dosage see comments page 124.
7/14/66 (GLADY)	0.5 mg	no effect.
7/31/66 (GLADY)	0.8 mg	marginal - long life - see p 132
7/26/67 AFS	1.2 mg	destruct threshold 7:00 AM - 10 AM shakes - 10:45 no temp effect - coming on slowly - 11:15 - ELASED up to 4 down - hide out Dor deleted still - outside - real turn on - amine F - coming LINDA come down at MARI-YN'S 5 PM - still pretty nice in PM 2 hours
8/17/67 (GLADY)	1.33 g	Real.

MMDA - 5/30/65

MMDA

may 31 eclipse day-1965

drugs were taken at 11:30 for KOZ 100 mg BISA 15 LSD and later 40 ritalin

may 30 BISA took MMDA 100 mg while I had harmaline this report concerns BISA -  
mmda ~~mmda~~

It seemed to take 45 minutes to work and then came on very suddenly and 'hit' me almost like a blow on the head; as if my eyeballs were being pulled out and my whole head expanding; Soon a COLD feeling set in and shivering; this was not unpleasant but was in marked contrast to the Ritalin which gave a warm feeling of activity and verbalization entirely different than this

The cold was as if I was in carbonated water (this occurred as I was having the vision of a carbonated pool of water or nearly at the same time in retrospect)

there was no anxiety; then the light seemed to dim in the room - this a retinal phenomenon or having to do with the eclipse? in the Pacific at about 3 pm;

My state in about 2 hrs seemed to be one of empathy and passivity, compassion of an impersonal sort; the music sounded artificial and canned and tinny in contrast to the voices which sounded rich full and finely precisely articulated and melodious

Also I had the impression there was a lot of stuff in my head I was not talking about;

Later when left alone the hallucinations occurred; as clear as any I have had on other hallucinogens; (c)

these were not kaleidoscopic or assembly line or oriental patterns, but life like with vast open spaces (typical of her paintings and essence person patterns) with people moving slowly and realistically much realism; I could conjure up monsters when asked but these had an artificial quality - they were eating something;

other visions of much food preparation and skinning and preparing of animal kind, drying scraping etc; many wild flowers and WIND-streams which were already part of the ocean; I regretted its wearing off; it did so very slowly; I was in a paradise concerned with externals and conforming to the structure we had set up and perfectly satisfied to be all available and all out there with you; the internal things and hallucinations later were interesting but the realism and nearness? not nearness I think -- of reality was very gratifying; a similar outerness with ritalin but it was more warm and dramatic not so ethereal;

no profound philosophical thoughts but direct sensations which started with physical then emotional; no thoughts or judgements of people or things; no facial distortions (she gets visual and auditory hallucinations - sounds of water running, creating 'music' of squeaks etc)

#### POSSIBLE USES

good for one with a lot of anxiety which shuts him off from experience; those who are full of "I like, or "I don't like" they are so preoccupied that they don't see the things out there that are really going on, but project and shut off etc. I had a detached feeling while the ritalin seemed more personal and closely empathetic; sort of chummy and talky and pink tissue, mmda was more like clear mountain air

with LSD my thoughts go circularly, I get caught up in flippant philosophical ideation brain storms almost a mental masturbation

I was so preoccupied by KOZ's answers to my questions that (with ritalin) the images they caused in my mind caused me to be almost physically removed; feel this way KOZ seemed to 'work' to overcome the passivity this mmda induced

MMDA - 6/2/65

about 1/2 dosage

I found this drug not at all like any other ;in the first place there were no appreciable distortions hallucinations or eyes closed imagery;second the mind was quiet;no words explanations comments theories and rational thought subsided; third I was fully aware in present time especially during the first few hours fourth;despite the seeming short action of the substance there is a time disorientation which lasts over six hours which undermines ones judgement in driving a car;so at least 12 hours should elapse before driving is undertaken;

in use of O2-CO2 to potentiate the action of the drug there was a most remarkable effect As though a floor of some sort was dropped from beneath me and yet I was still supported and with this floor dropped a general feeling of anxiety of a free floating type which has been plaguing me for several months;later on a half hour or so later;when I was exploring the area newly empty of anxiety I felt it again for a few moments and then it dropped away for good;I was completely without tension or pressure of any sort;I expect that the effects are similar to that of a tranquilizer or an opiate(although I have experienced neither) except that there has been a long term change as a result;

MMDA JAY co2 and o2 used to set it off

I felt as if a floor of some sort dropped from beneath me and yet I was still supported ;with this floor dropped a sense of free floating anxiety which had been plaguing me for several months

30 min later

when I was exploring the area newly empty of anxiety I felt it again for a few minutes and then it dropped away for good and I was completely without tension or pressure of any sort; like being tranquilized or morphine

but ive never taken either ;there has been a long term change as a result

6/2/65

this drug was like none I have ever taken; no hallucin noted and no distortions of what I looked at (I agree with the lack of distortion of outer objects or faces) second;the mind was quiet no words explanations comments theories or rational thoughts fully aware in the present time especially in the first 3 hours there is a time distortion ;6 hours later WHICH UNDERMINES ONES JUDGEMENT IN DRIVING

I misjudged the traffic lites duration etc

MMDA reports

#1 49 yr old male; set relaxed to very slight anxiety over personal emotional matters. SETTING: De Martin beach off Falce-klamath rock 8/29/65 11:45 AM  
11:45 150 mg

12:00 slight nausea and methedrine/ritalin like effects

The 3 of us are at the falce river mouth drying seaweed on split redwood  
The fire burning preparatory to cooking the rock crab just caught takes on a fantastic appearance

12:10 I withdraw, the talk of the others is too much; she puts on sunburn oil  
WOW

12:15 the tiny fairy feet of the flies slight cramp like slight nausea and my visual field starts lighting up

12:20 some vertigo and heaviness and time stretches out; numbness in the chest as when an opiate is taken;

Still study geometric patterns; excess lite on closed lids interferes with (retinal) visualization, vertigo only with eyes open

dance of the glittering diamond studded sea waves; increasing motion and beauty  
No taste, just passive introversion with large time lag

12:30 people appear on the beach and talk to my companions; I have no paranoia this surprises me;

12:35 trembling after images are very brite and last long; I see a long corridor and faces upside down 3D corridors that bend and recieve me  
basket likew with visions at the bottom;

the man will drive and the woman provide; two beauties and crab  
thirsty and mouth slightly dry; much less than with ritalin or LSD etc  
green to rose after image

NEED A SEMI SLEEP STATE FOR NEUROTICS /PLUS THIS DRUG /so they can let go to its effects better

Increasing landscapes appear inside; inwardly I told her of her beauty and the outward she also responded by looking up at me.

(this is a good introductory drug to the drugs of this class)

to become familiar with the drug state in as gentle as possible a fashion

Later; i see my mother in animated conversation with another woman  
this was at 1:30

12:50 to give self res and to cut off the trash and 'worry' so as to enter the semi dream state where you are protected; not as noisy (many) dreams  
?as in live? or more?

music or sea

as a structured backdrop against which to go in

bold kneeded wrestler geni probably on waves Like LSD neck barred woman  
sits up man upside down face; fabuluos kiss bitter crab and people  
million fingered dance of the sea; green apple crunch

I hallucnate lists hungarian rapsody

and then waltzes

then see at 1:30 my mother as above.

Remarks: this substance seems to have a much genteler action than others of this class; perhaps more like Cannabis or psylocybine; there is little paranoia reported by anyone

I noted the hallucinations of two types: one, those which were strictly retia retinal and more minute and small and influenced by lite and evoked by 'foca using' on the 'lite' ahead on the retina or lids, and the other those deeper in the visual tract and occiput which are larger and more global dream like and when solid are quite dramatic and unforgettable as in meditation. There is less adrenergic or alerting effect per hallucinatory unit of this drug as well;



REPORT ON MMDA TAKEN September 5, 1965

OCEANA

Since in my walrus type floundering about since then, I've managed to lose all notes made at the time, I'll try to do it by recall and then will undoubtedly find them.

Drug produced light nausea and slight dizziness within about 45 minutes and shortly after began to feel "psychedelic" effect. For awhile felt like mild dose LSD with slight disorientation and visual imagery at closing eyes. Imagry wasn't the vivid, shapp-colors type however, but like a kalaidoscope filled with pastel colored smoke. Reminded me of a gadget seen in New York museum of modern art in which constantly changing swirling colors were projected on a screen. Every now and then across this field floated an unidentifiable black shape/blob. Overall general effect sort of like Rorschach ink blots.

Within an hour I felt my mind snap into advanced gear and attention focus like a laser beam. Felt I KNEW what I was about and was thinking with unusual confidence and clarity. Total focus on NEIL altho my response to him was less involved emotionally than it usually is in sessions. Was unable to cry for him or for self yet felt no hostility towards him or fear--just intellectual sort of endeavor and desire to do something effectual and positive. Was unable to account for some of his behavior and was very curious as to what diagnostic labels it would earn. Had an excess of energy and large overestimation of own strength--felt fully confident that I could hold down my half of NEIL with no trouble until I recalled that this wouldn't be my normal realistic appraisal and then began to force a bit more caution. Could feel my own emotional state being blocked as almost with a physical barrier - knew there was great upset underneath and that it would leak out as drug wore off but was unable to feel it totally.

Time sense was slowed--kept looking at my watch and thinking more time must have passed than actually had, but wasn't disturbed by this. When NEIL began walking around expounding his revelations I became restless - began wondering, wanting information and activity. I realized that as long as there was active action I could focus entirely on outside and was fine, but when things slowed down feelings of self coming back were distressing and I was stuck back with me and pain over JAY. Tried to turn it to interest in and learning about NEIL and about the total situation but kept wavering in attention between him and myself. By about 2 pm was ready to start on NEIL again, trying to get him to come down and sort of cut off. He was unable and I took it as sort of a challenge. QUE seemed unwilling to direct him strongly and I finally played on his need to "help" me by giving me an hour with QUE. It worked. Put on the saddest music I could in order to dredge up hurt over JAY and whatever it represents but altho tears were there, it was all dampened and toned down. Knew I was very upset but that knowledge was more upsetting than the upset I knew was there.

Went out to the pool when SURFER and PEGGY came. NEIL was all shaken, pains in chest, unable to breath, felt nausea and choking sensations. Was marching up and down, back and forth like ward patient in a yard. Was disturbed by this and went to tune the guitar on the piano with GLADYS. Felt BZ being annoyed by me in house and by my playing with GLADYS and knew I'd have felt hurt if it weren't for dampener of drug. GLADYS tuned the guitar and I went out to see what I could do with NEIL. We talked awhile and I found myself able to play that guitar like never before - was elated and entranced with my own music and new ability...especially since I found I could work with NEIL and play along at the same time, using it for sort of background and emphasis and attention changer. Talked to NEIL about pains in chest - had him try Gestalt exercises but he was too far out. I felt him as a little boy asking mama to fix it and I felt like I'd like to be able to fix it, but not inddequate because I couldn't do so.

OVER

GLADYS came down, wanting attention and to sing and play the guitar. I was happy to see him and we began to sing a song but BZ tore out and jerked him away like a shot/ I understood how she felt and her worry about his contamination, but I felt resentful at being considered a contaminating agent so decided it must be PAUL she was worried about and rationalized it that way.

Spent time talking to PEGGY about her feelings since separation from SURFER and watching her way with her child. All along was playing one song after another and my attention was sort of split. PEGGY came on strong about dislike for SURFER but didn't realize she was saying it and by way of attonment ~~an~~ immediately began telling me a' ut how neurotically she operates - but in SURFER's terms and sounding like a parrot. I tried to be subtle and gently get her to see what she'd done, but it somehow didn't seem imprtant compared to PAUL wandering around painfully and looking at me like a sick puppy. So PAUL and I talked about the things that made him nauseous and he went and leaned over the fence a few things but explained that while these things would have upset him six months ago, they don't any more. Things such as "penis" and "breast" and "hand" and "hang". (I wonder if his mother hanged herself) I began trying to play Tom Dooley and noticed PAUL swallowing hard when I got to "this time tomorrow weckon where I'll be. Down in a lonesome canyon, hanging from a white oak tree" Also on "Poor boy you're bound to die" Began to worry that there was more going on than I was hep to and quit immediately.

SURFER came and PEGGY left. Felt warm even toward SURFER - allowed him to play big brother thing with me which is his wewest button to push. He showed me things on the guitar and I gave it to him and began playing with JAY. Noticed PAUL watching me play with JAY with tears in his eyes - he kept looking away. Felt some sort of vibrations emanating from PAUL - like he was silently begging, pleading, entreating me for something. Didn't know exactly what I could produce that would provide it. He was hungry and wanted a pear - I told him to pick a peach instead. He did, showed it to me like a little kid and ate it like one, leaving most of it all over his face. So I put JAY on SURFER's lap and began singing nursury rhymes. PAUL came and fanally sat down but with that damn shit eating grin on his face. I didn't know what to make of it so didn't.

Physical effect of drug most outstanding. Full of energy and coordination. Lost fumbling, clumsey feeling altho I did manage to whack my shin on the water pipe and trip in a hole twice. But that's par for any course. Knew this was the same stuff JAY had and kept wondering why I wasn't getting the same euphoric, limp happy reaction. It was a physical and psychic energizer for me but without the emotion emphasizing effects of dexadrine. Went home and to sleep with 3 pills finally at 2 am. Kept self curling in sleeping bag womb all next day and night and didn't want to come <sup>out</sup> to face the world on Tuesday. It isn't a nice world these ~~ada~~ days and it deteriorates steadily.

I have read pages ..... to ..... in the notebook and understand their content  
There are no blank pages, except .....  
All entries are in the handwriting

Signed: ..... Date: .....

Signed: ..... Date: .....

10-3-65

BX

200 mg.

MMDA

In this experience each time he closed his eyes he observed internal visions all involving his present situation in school.

Vivid dreams & marked time lag

Feeling of Being Asleep

Nystagmus present (pendular) in all positions of gaze.

No trouble sleeping after this drug

Cross toleration  $\bar{c}$  Cannabis?

Dreams more vivid.

Feeling of numbness shoulders to chest

24 hrs after proven MD same effect. 6 days later effective again.

This from L. San. ~ 11/10/65

/1059

The patient is a 63 yr old male 1925 mg taken

I had a strange awareness of my hands in about 20 minutes; not a feeling in them so much as just that I was attracted to them somehow;

In a few minutes I began to get fearful-of ? loneliness of the acute experience of aloneness, I did not want to go back there again.

I laid face down (often a depressed position for me). Next I remember 'stepping' to the kids at school (an image) or to other teachers; this was very vivid; the scenes at school were more vivid than those in the office where I actually was, and the people more real than BU. I tried to 'come back' by getting physically close to BU, but still drifted off to school

I was very sleepy throughout (not the alerting effect of L.S.) and four hours later went immediately to sleep (I never did with L.S.) I was bothered by the quality of reproduction of the music from 10 to

minutes after drug was taken - the crowded small office bothered me at first

of any experience I have had this was most like a series of dreams easily remembered (this drug is most sought after by our helpers in drug work - my function best on it as helping others) I felt after it was over as if I had after a long period of sleeplessness - I had gone to bed and had a series of dream like states very vivid and colorful and real

see page 21

What is the best of the literature N.Y.S. Higgins  
3-4-65  
Ray Perry

this from BV ~ 11/10/65.

Dear Sasha and Garys;

here are the more reports very brief because there is little to say. The copies you have you may keep as I have another.

Please see that KOZ gets one of these copies and I guess Sasha is collecting, so he should have the other one;

MM A 150 20000 mg

an experienced person in the use of drugs;  
complete neurological done 1 hr prior to testing was completely negative  
fully looked for was nystagmus - he showed a slight nystagmus in extremes  
of lateral gaze - 1 1/2 hrs after the drug he showed about the same amount  
and the balance of the neural testing showed no difference from that of  
2 1/2 hrs earlier

his bp which was 14/90 to start was unchanged  
he only experienced a bit of tingling in his arms and legs and a slight  
sense that his hands were trembling, this was not objectively confirmed  
during the neural testing  
he had no hallucin etc

MM A

the subject who is sensitive to as much as 8 mg of LS noted the  
following within 30 minutes of injection of 20 mg of the drug  
a sense of vibration in the chest not unpleasant, increased excitability  
to affect with some crying appropriate to the occasion. The enlarged  
third dimensionality of music and slight unsteadiness in locomotion - also  
the usual tendency to introvert and withdraw.  
these effects seemed to be the equivalent of about 10 to 15 mg of LS  
and lasted 7 or 8 hours with the peak at 1 1/2 to 2 hours.

I will be publishing a paper with TRACEY on vitalin and LS and CO2 gas soon  
as I can get my part of it written

---

Comment was made ~ April 1966 by KELLY and friend ROBBIE  
of knowledge of MM A experiments, one ♀ and either 1 or 3 ♂.  
220 mg each. ♀ & early onset - ♂ on later - lasting much of the night.

Date 2/13/66

## Subjective comments regarding DOP.

(See p 115)

The 1.05 mg was taken at about 10:00 AM. Awareness of an effect was noted at about noon. There was the same sort of exhilaration, quick thinking, humorous talks as there was with DOE, in fact this whole time structure and behavior structure was much the same (not, I believe quite as intense at 1.05 DOP vs. 1.5 DOE). The argument of sparkle is still true.

→ visual There is a little sparkle - went into total darkness for a little while - found that allowing image from door to fall on just one eye was unpleasant. With both eyes devoid of

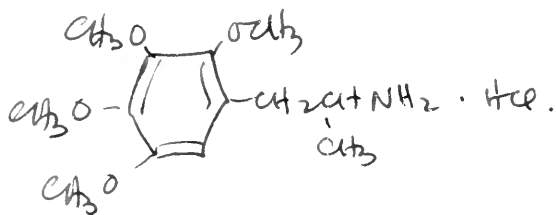
This was stopped - this writing ↑ was at 3:20 PM and still quite under its influence - couldn't be bothered summarizing something up that still was going on. This ↓ written 4/10/66.

### Time. Elapsed Time.

10:00 AM	0	Took 1.05 mg orally.
12:00 n.	2	awareness, see above.
3:20 PM	5 1/2	wake the above. AD came in to lab (Sunday) but noted nothing. It didn't tell him.
7:00 PM	9	Still quite excited - ate dinner with much humor.
11-12 PM	13-14	Alert - reading & working - can't seem to turn it off
2 AM	16	To bed - probably didn't sleep at all - maybe fretful catnaps. Mind continuously going over and rearranging previous evenings study material.
6 AM	20	Up - to lab - not tired - still alert.
12 n.	26	seem to finally show signs of relaxing.
6 PM.	32.	Out of it.

Slept quite normally that night - no apparent after effects.

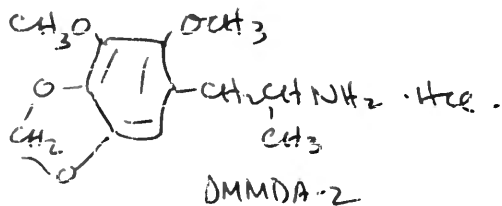
# Subacute Trials.



date time dose comments.

- | date       | time       | dose    | comments   |
|------------|------------|---------|--|
| 4/9/66     | 9:35 AM    | 0.5 mg  | nothing.   |
| 6/22/66    | 9:30 AM.   | 2.1 mg. | nothing. (1/4 8:05, 3/4 9:30).   |
| 7/8/66     | 10:00 AM.  | 5.0 mg. | nothing. (one shot.).  |
| 10/29/66   | 8:25 AM.   | 8.4 mg  | nothing.   |
| 3/31/67    | 8:00 AM    | 14.0 mg | nothing Terrible taste.  |
| 4/4/67     | 11:15 AM   | 20.4 mg | possibly exaggerated reflexes (leg, eye) otherwise Nothing   |
| ± 4/26/67. | 9:05 AM.   | 30.0 mg | definite threshold. dilution - humor - wild day - $\bar{X}^2$ calculation on PDP-7, SF. Motor Vehicle Dept.  |
| + 5/2/67   | ~SPM. 6:00 | 34 mg.  | Dance Class - gastric upset - more the less - distinct intoxication - next AM - foul headache.<br>Active level will be, by extrapolation about 50 mg - so 6x mesoralein. |

# Subacute Trial.



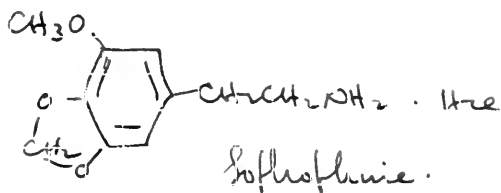
6/27/66	9:55 AM	0.4 mg		
	1:00 PM	1.1 mg	Σ 1.5 mg	nothing
6/28/66	10: AM	1.6 mg		
	11:30 AM	1.7 mg	Σ 3.3 mg	nothing

— data continued on page 140 —

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# Subacute Trial.



~ 6/1/66 - ATB. 0.5 + 1.5 mg at 1 hr. nothing.

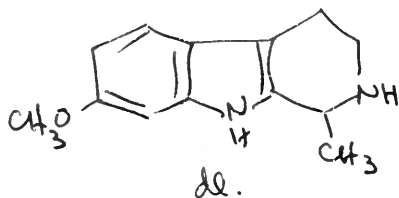
~ 7/3/66 GAOB 12.2 mg negative.

3/8/66 GAOB 150 mg threshold.

(8/3/66) GAOB (156.5 mg). At 2-5 hrs. very euphoric and peaceful mood elevation - ≈ mescaline - but no visual distortions. Mild enhancement of visual & color perception (function of mood elevation). No nausea, no eyes-closed vision, slept easily at 11<sup>30</sup> PM.

67?

continued - p. 228



Tetrahydroharmine

~6/15/66.

his record

GRAYS 100 mg threshold?

- 22 March '66 0.8 mg at 3:25 pm. A 4:30 slight prokromal ~~of~~ signs - excited, light headed - placebo effect?
- 23 March 66 1.8 mg at 3:00 PM. Nothing - so much for above.
- 25 March 66 3.4 mg at 3:00 PM Nothing.
- ? 7.8 mg Nothing.
- 27 April 66 13.5 mg nothing.
- 2 May 66 22.6 mg 2:40 pm. Possibly a vague mild pleasurable state.
- 12 May 66 44 mg 4:30 pm same as above
- 8 June 66 99 mg 10:00 am. distinct threshold-

Mild color intensification, euphoric, emotional empathy. Lay in darkened room at about 2 hrs. had some fleeting images, primarily of cars and buses; quite a bit of blue in the pictures. By 5 hrs completely gone.

"Tetrahydroharmine"  
(as above, etc.)



Old 50-50 mg - to Tann  
June 11, 1968

# Running compilation (chronological) of subacutes.

DATE	WHO	WHAT	HOW MUCH	EFFECTS.
5/25/63	ATS	TMA-4	18.7 mg	bitter. NR
6/5/63	ATS	TMA-4	26.3	NR.
8/26/63	ATS	MMDA 3a+1	0.2 mg	NR.
9/27/63	ATS	MMDA 3a+1	0.5 mg	NR.
9/29/63	ATS	MMDA 3a+1	1.0 mg	N.R.
9/11/63	ATS	MMDA 3a-1	4.4 mg	NR.
9/12/63	ATS	MMDA 2-1	2.6 mg	NR.
9/13/63	ATS	MME	0.8 mg	NR
9/16/63	ATS	MME	2.2	} 2.0 → Σ 4.2 mg NR
<del>9/17/63</del>		MME	2.0	
9/17/63	ATS	MMDA 3a+1	1.9 mg	NR
9/19/63	ATS	MME	6.5	NR
9/14/63	ATS	MEM	0.8 mg	NR
9/16/63	ATS	MME	9.9	NR
9/26/63	ATS	MEM	2.2	NR
9/26/63	ATS	MMDA 3a-1	8.1 mg	NR
9/30/63	ATS	MEM	4.5	} 2.8 → Σ 7.3 with vubby? NR
		MEM	2.8	
10/1/63	ATS	MEE	0.4 mg	NR
10/3/63	ATS	MEM	10.5 mg	Threshold definitely. if so > TMA-2
10/8/63	ATS	MEE	1.0 mg	NR
10/14/63	ATS	MEE	1.7 mg	NR.
10/17/63	ATS	MEE	2.8 mg	N.R.
10/23/63	ATS	MEE	4.6 mg	N.R.
10/25/63	ATS	MME	16.3 mg	unrec'd at 3:00? fitstary. NR.
11/20/63	ATS	MMDA 3a-1	13.8 mg	NR
11/30/63	ATS	MMDA 3a+1	3.5 mg	NR.
12/1/63	ATS	DOM	0.1	} 9.1 at 1:20 → Σ 0.2 mg NR
		DOM	9.1	
12/3/63	ATS	AEM	220 mg	NR
12/63	GLADYS	MMDA 3a-1	40 mg	NR
1/4/64	ATS	TMA-3	0.5 mg	} 2.5 mg at 1:20 → 3.0 mg NR
		TMA-3	2.5	
1/6/64	ATS	DOM	0.4	} 0.4 at 1:00 0.2 at 2:10 → Σ 10 mg threshold? too long - probably NR.
			0.4	
			0.2	

continue Subcuties.

1/9/64	ATS	<u>DOM</u>	1.9 mg	absolute threshold! long colors
1/12/64	ATS	TMA 3	6.2 mg	NR
1/14/64	ATS	TMA 3	10.6	NR
1/20/64	ATS	TMA 3	15.1 mg	NR
1/22/64	ATS	TMA 3	20.6 mg	at 1:30 dizzy? - NR.
1/14/64	GUARDS	MMDA34-1	65 mg	NR
1/28/64	ATS	TMA-3	26.6 mg	NR.
1/31/64	ATS	TMA-3	36.5 mg	NR
2/3/64	GUARDS	DOM	2.3 mg	confirmation - not the 5-15 though
2/5/64	ATS	TMA 3	51.1	0
		TMA 3	12.1 + 1:55	
		TMA 3	14.8 + 2:55	→ $\Sigma$ 78 mg NR whatsoever <u>that is all</u>
2/26/64	ATS	TMA 6	0.4 mg	NR
2/28/64	ATS	DOE	0.2 mg	NR
3/16/64	ATS	DOE	0.5 mg; 1:40 + 0.2 mg	→ $\Sigma$ 0.7 mg starchy at 2:30? NR
3/23/64	ATS	TMA-6	1.2 mg	NR
4/5/64	ATS	MME	29.8 mg	NR
5/21	ATS	TMA-6	3.8 mg	5:00 stashes? NR
6/9/64	ATS	extracts	S. dis.	$\Sigma = 7$
<del>6/12/64</del>			1:00 hrs $\Rightarrow$ 8	→ $\Sigma = 15$ g leaves NR
6/12/64	ATS	S. dis	$\Rightarrow$ 20 g	leaves NR.
7/1/64	ATS	TMA-6	5.5 mg	Threshold? 1:30 dizzy? NR?
7/2/64	ATS	TMA-5	0.2 mg; +3:00 + 0.3; +4:00 0.3	→ $\Sigma$ 0.8 mg NR.
7/7/64	ATS	<u>TMA-6</u>	7.8 mg; +2:00 3.6 mg	→ $\Sigma$ 11.4 mg <u>threshold!</u>
7/24/64	ATS	DOE	1.0 mg	marginal? 2-5 hrs?
8/1/64	ATS	DOTB	10 y	
		DOTB	+2:00 hrs 15 y	→ 25 y NR
8/5/64	ATS	TMA-5	1.0 mg	NR.
8/11/64	ATS	DOTB	50 y	
		DOTB	+50 y at 1:20	→ $\Sigma$ 100 y NR
8/14/64	ATS	TMA-5	2.2 mg; +1:30 2.0	→ $\Sigma$ 4.2 mg NR.
8/15/64	ATS	DOTB	150 y	
			at 1:10 + 100 y	→ 0.25 mg NR.
8/27/64	ATS	<u>DOE</u>	1.5 mg	Effective plateau 5-16 hrs <u>effective colors!</u>
9/13/64	ATS	TMA-5	7.0 mg	bitter - NR.

more subcutaneous.

9/10/64	ATS	DOP	0.4 mg	NR.
9/17/64	ATS	TMA-S	10.1 mg; +1:15 3.7	2:13.8 mg NR.
9/20/64	ATS	TMA-S	18.2 mg	2:00 SNS stim, 3:00 d/dubois. CASPOL. stimulant?

———— Summarize all in report for Slonka ————

KOZ writing up all MMDA work for MMDA monograph.  
KOZ fabrication of DMPEA for schizophrenia paper.

10/10/65	ATS	DOP	0.25 mg	NR
10/14/65	ATS	DOP	0.45 mg	NR
1/6/66	ATS	DOP	0.7 mg	NR
4/9/66	ATS	M4A	0.8 mg	NR
6/22/66	ATS	M4A	2.1 mg	NR
7/8/66	ATS	M4A	5.0 mg	NR

GLADYS on DOP.

7/31/66

GLADYS on 0.8 mg DOP (see page <sup>115</sup> 114)

time      rel. t.  
0930      0.

6 PM.      8.5 hrs.

Mid.      14.5 hrs

AM.

energizer - probably no sparks.  
peak? - medicine cabinet shimmers.  
3/4 gm secnal.  
hangover or secnal.  
maybe into

23 hrs.?      today?

continued

0.51 mg 7/7/66

0.8 mg 7/31/66

maybe in AM. still effects DOP.

0.8 mg 7/31/66

Nothing

0.80 mg 9/1 Jul 66

9<sup>30</sup> am took it. Predominant lethargy  
to about 3<sup>30</sup> pm. 2 pm not really lethargy,  
relaxed and pleasant. Psychic ~~and~~ energization  
from 2 pm, euphoric but not amphetamine like  
jitters; world bright, pleasant, optimistic. Peak  
at 6-10 pm, with very slight wavering of lines  
and color enhancements. Unable to sleep at 1 am,  
thoughts buzz continuously. Took 3/4 gm pentobarb,  
Awake and grossy from pentobarb, when this cleared,  
again euphoric and happy - still effects of DOP?

dextro-amphetamine.

To finally and subjectively assign those properties that would be called sympathomimetic - but not psychotomimetic -

10-16-66 11:50 AM. 5.0 mg.

1:30 PM.

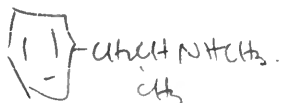
8.0 mg more.

13 mg

Σ 13 - no effect - not even eye dilation - I worked late that night so there might have been CNS stim. - but no mental, or jittery effects.

15 mg. 11/5/77 ATB 10:42 AM (15.00) (1.00) than paroxetine - that is all. at 12:00 choline with 6 mg LSD of p. 256. (15.00) no sleep - fitful after a few hrs of hypn. - This is the only noticeable effect. otherwise - n.e.

# Subjective analysis.

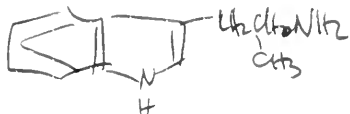


DL. or D.  
HCl. HCl

- 10/20/66. CE ~~10:20 AM.~~ 10:20 AM. 4.5 mg.  
 12:20 PM. 5.5 mg.  $\Sigma$  10 mg. probably no effects - I was active, but there was no evidence of central stimulation for sure. Certainly not any of eye or other objective effects.
- 11/27/66 CE  
 10:45 AM. 7.5 mg  
 12:20 + 5 mg  $\Sigma$  12.5 mg Possibility of very slight elevation at ~2:00 PM. Was extremely active through the rest of afternoon - got a very great amount done. Cleaned out Pandora, ~~bookcases~~ off desk etc. no hunger - but no intox. either. Little effects.
- (+) 5/13/77 CE 20 mg 9:35 AM (0:00) slight smacking of (0:30) very active all day - n.e. however - to bed, when tired at (15:00) no sleep - two hours awake - then occasional sleep. - (H+) no suffering for lack - but definite sleep interference ( $\pm$ ) 1 day mild - n.e. - more that (+). But - mentally
- $\pm$  CE 30 mg 5/13/77 12:20 AM (0:00) n.e. - no sleep - (H+) - got much done - little effects - (H+) - T. Restless sleep (12:00) 10:30, 30, 30.
- $\pm$  CE 30 mg ~3/75 as primer for LSD. see p. 258 (3, 60).  
 + 30 at (2:00) - lost in primer experiment.
- + CE 30 mg 4/27/75 - 9:15 AM (0:00) has alert stable - v. nice (2:00) seems going very well (practice for verbal) completely unaffected. (7:00) nothing left. still not hungry - 3/4 available.



$\alpha$ -MT

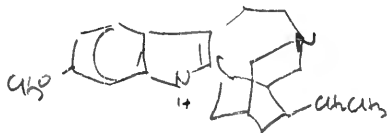


This is the material of MICK fame. (maybe!)

Before 4/4/66 80mg (Dan) 1hr. High  
2hr. Nausea of Mez. no vision  
no hallucin  
13 hrs. go go go - out but depersonaliz.  
c Pot.

160 mg (D = Dan) as above - but toxics.  
80 mg get another.  
20 mg nothing.  
10 mg GADIS me.  
20 mg GADIS pleasant mind expansion. few hrs

# Ibogaine.



before ~ 11/11/66.

800 mg extract. full.  
400 mg of "pure" tile OK.  
check: KOZ, 300-400 mg salt needed.

08/67

now 250 mg — must make article for experiments—

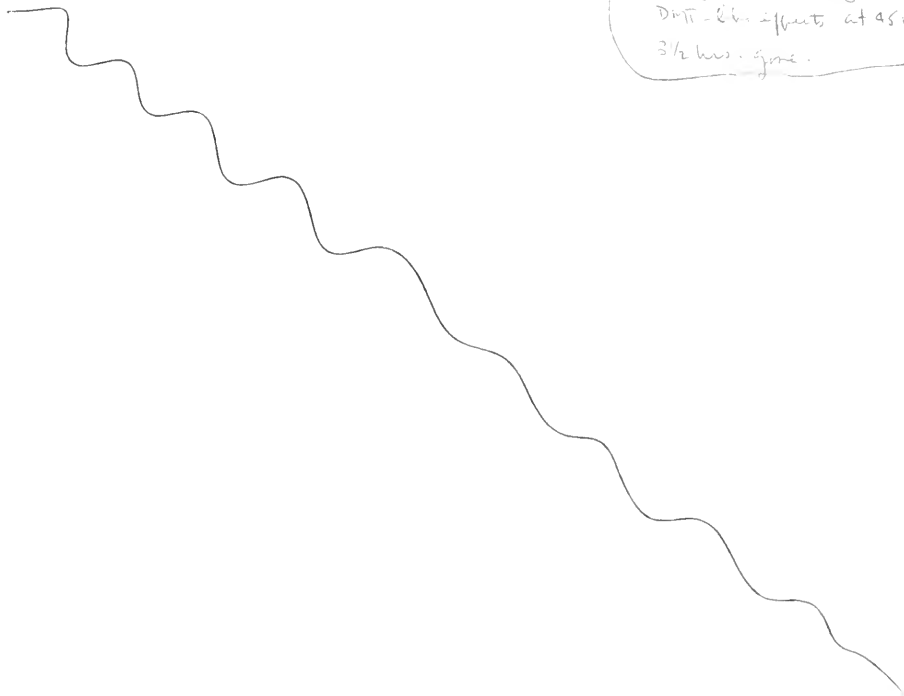
Ibogaine + MDA (250 mg + 75 mg) → 16 hrs.

Ibogaine + TMA-2 (250 mg) + 20 TMA-2 → 16 hrs + motor agitation.

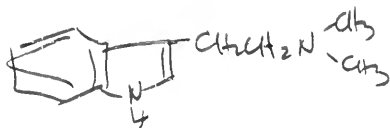
DMT continued.

20 mg in DMSO (in 100 µl) 2:45 8/1/77. n.e. to page 327.

note from ADAM 7/11/78  
100 mg DMT + 100 mg hexamethine  
DMT-like effects at 45 minutes  
3/2 hrs. gone.



DMT.



before 11/1/66. DMT up to 1.0 g p.o.s. ALFRED (friend of BORIS)

5/29/76. Constant cigarettes, a few milligrams of finely powdered Tanacetum vulgare are appropriately distributed on paper, and the free base (20 mg, 100 mg) evenly distributed and mixed. Direct heat or infrared lamp melts the base, and the sl. sticky mix is roled into a v. tight and small diameter cigarette (4-5 mm dia.). The key (this is marked off) to determine the quantity taken. All experiments separated by ~ 2 hrs.

→ 5 mg. (inhalation). n.e.

→ 15 mg (inhalation) n.e.

→ 20 mg (inhal) after ~ 30 sec. a strong light-headed-ness starts - possibly some temporal pressure. Head effect and there is a "quantitative" awareness of the measure of the intensity - no vision - no sensory distortion - just very much in its control. Max at 3 min, then rapid disappearance. Out at 7 min.

→ 30 mg (inhal) within 30 sec. start. - Build up to max. (?) intensity at 2-2 1/2 min. Some yellowing of visual field - complete control given to drug - but there is nothing to do! - no eyes-closed - no imagery - the intense plateau is left at 3-4 min - still "up" but there is a clear awareness of the rate of recovery - the radio is apparent again. 8 minutes out.

→ 20 mg + 10 + 10 + 10. Attempt to maintain the 3-4 minute effect of the 30 mg experience above by chronic reinforcement. 20 mg was inhaled - followed in a minute by 10 mg - redevelopment of the strongly intoxicated state (but not back to the "yellow" degree) and as the effect starts waning, reinforce c. 10 mg (at 4 min) again at 8 min and here the effects seem to be a little smoothed out - next (and last) reinforcement at 13 min (10 mg) which maintained effects for a few more minutes - rapid clearance and completely out at 20 minutes. No residual effects. A completely stupid drug.



- |               |                        |          |               |  |
|---------------|------------------------|----------|---------------|--|
| 1.1 mg (GRAD) | 15/12 <sup>M</sup> /66 | 1:10 PM. | Lunch at 1:30 | feeling very pleasant 2.00. Postprandial euphoria. |
| 1.9 mg (GRAD) | 16/12 <sup>M</sup> /66 | 12:15 PM | Lunch 1:30 PM | NR   |
| 4.1 mg (GRAD) | 6 Jan 67               | NR       |               | felt good  |
| 9.7 mg (GRAD) | 9 Jan 67               | NR       |               | felt good.   |

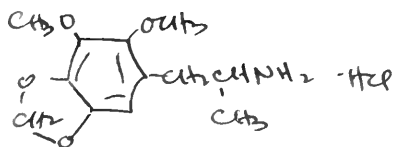
# The Peanut Cocktail.

for a 5g Nutmeg  
equivalent.

12/22/66 GADES P.M. 5g. spoke in evening as maybe having some color enhancement. was easily brought to light humdr. - This was the evening of the kitchen sink trap episode.  
(=0:00hrs)

MDA.HCl	11.4 mg
MMDA.HCl	60.8 mg
TMA.HCl	22.0 mg

12/24/66 ATS 10<sup>45</sup> AM. 1 5g. at 1:15hrs quite dilated - starry effects. At 1:45 there is a sure threshold - no anxiety, but curiosity to see where it all will go. Slight flushing. I know it wouldn't take much more of this to get things to move around. 2:45 dilation going down - feel out of it more or less.



DMMDA-2.

See page  
126 for  
early data.

Feb 10, 1967. (GLADYS) 4.0 mg. possible threshold?

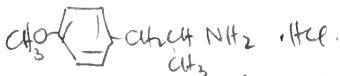
~~March~~ March 7/67. (GLADYS) 28 mg. Threshold. < 15 mg TMA-2  
< 26 mg TMA-6

April 4, 1967 (GLADYS) 50 mg. Into it, much like MDA.

I have read pages ..... to ..... in this  
notebook and understand their content.  
There are no blank pages, except .....  
All entries are in the handwriting of

.....  
Signed: ..... Date: .....

Signed: ..... Date: .....



9-MA

- 3/16/67. GLADYS 1.0 mg No Effect.  
 3/24/67. BORIS 2.0 mg Was quite unsure - possible threshold??  
 4/03/67 BORIS 4.0 mg N.R.  
 4/15/67 BORIS 4.0 mg N.R.  
 5/18/67 BORIS 17 mg felt fingers cool, formally detached at about 40 min - 1 hr. Then nothing. Threshold???
- 1/11/68 AJS 25 mg NR (10.10 AM)  
 1/12/68 GLADYS 35 mg report 1. some elation at 2 hrs - but had 2 work cups at 1/2 hr. in hand (?)
- 1/12/68 AJS 42.5 mg 10.55 AM - unusual taste - (possibly strange at 11.45 - 12.45 (1.2 hrs) - certainly ex. at 4.  
 1/15/68 GLADYS 56 mg 2.55 - some effect - feeling of drug going on or within - like depression (injection) - no high  
 1/25/68 AJS 57 mg very real effect - the day of the I-35  
 tip to hill - refuse to go.  
 1 hr. on - sudden.  
 1:10 - to whole body counts - φ polyph. there. up  
 1:30 - flat - 2:20 clearing!
- 2/6/68 GLADYS 70 mg dance flirts: parasthesia - nice - real.
- not eq. CF 57 mg 1/Kg. 1:15 sudden onset 12/85 → 180/75  
 {Met. included}  
 afterimages  
 1 3/4 hrs 200/100. DET-like.  
 3 1/2 hrs. - no more mental  
 some bp.  
 some parasthesia!
- 4 1/2 out -
- 9/24/77 AJS <sup>73 AM</sup> 60 mg - little if any effect - I certainly am becoming more aware.  
 Substr. - MDMA - see p 233

Pl #	Subject	Weight	Dose PMA	Time urine collection	Volume	no. creatinine sample	Total PMA $\mu\text{g}$	Percentage added PMA %	recommended PMA excreted	1 MA / mg caffeine
①	CH	65 Kg	10 mg	0-12 hrs 12-24 hrs	660 ml 320 ml	581 565	264 $\mu\text{g}$ 51 $\mu\text{g}$	107 % 43 %	2.64 0.51 3.15	0.4
②	CH	67 Kg	10 mg	0-12 hrs 12-24 hrs 24-36 hrs	840 ml 1020 ml 760 ml	612 1278 1523	275 $\mu\text{g}$ 15 $\mu\text{g}$ 192 $\mu\text{g}$	129 % 100 % 96 %	2.75 0.15 1.92 4.82	0.2
③	CH	65 Kg	6.5 mg	0-12 hrs 12-24 hrs 24-36 hrs	380 ml 510 ml 150 ml	405 31 183	107 $\mu\text{g}$ 51 $\mu\text{g}$ 9 $\mu\text{g}$	127 % 110 % 74 %	1.07 0.51 0.09 1.67	0.2
④	CH	57 Kg	57 mg	0-24 hrs	1000 ml	153	6730 $\mu\text{g}$	100 %	6.73	1.65
⑤	CH	67 Kg	20 mg	0-24 hrs	400 ml	1103	850 $\mu\text{g}$	109 %	4.25	1.8
⑥	CH	76 Kg	30 mg	0-12 hrs 12-24 hrs	1770 ml 1280 ml	800 mg 1189 mg	1050 $\mu\text{g}$ 420 $\mu\text{g}$	113 % 91.5 %	1.05 0.42 1.47	0.76 2.8



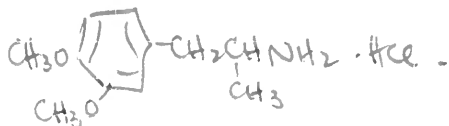
Pos PMA data

# N-Methyl Mescaline



- 3/28/67 1.0 mg 8:05 AM (ATS) NR.
- 4/6/67 2.3 mg 8:30 AM.
- 4/21/67 1.7 mg 10:50 AM & 4.0 mg (ATS) NR. (Nina thought I was funny when I was driving - I thought not.) - No effect.
- 4/21/67 7.0 mg 9:00 AM
- 4/26/67 4.3 mg 10:40 AM & 11.3 mg NR.
- 5/24/67 16.0 mg 11:45 AM NR.
- 5/24/67 24.0 mg 9:40 AM. atypical taste - in afternoon (~3) contact highest @ BORIS, GLADYS - wild humor - not assignable? no effect.

(3,4-)DMA.



According to M.D. ALEC Int. J. Neuropharmacology =  
1967 6 151 - Ales states (personal communication) same

2-3 times less active than MDA. &

In ALEC'S thesis is an extensive army report describing

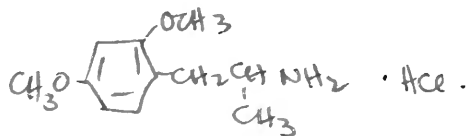
2 psychotic patients - both i.v. - ~~not~~

at 70 mg nothing.

at 700 mg - mescaline-like.

nothing in between?

2,4-DMA.



GLADYS running.

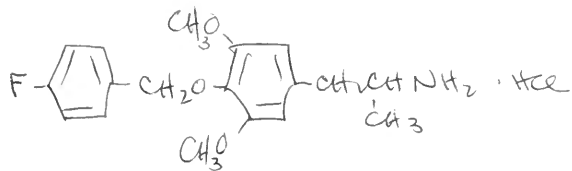
⋮

5/23/67

7/25/67

16 mg - GLADYS - no effects

61 mg - GLADYS. definite threshold. 12 nm - at 1 PM -  
amphetamine-like 200 peak - euphoria - diffusion of  
association - no question about it. 3 - getting down.



date

2 GLADYS 1 mg

no effect

1/4/63 GLADYS 4 mg

no effects.

6-OMe HARMALAN




6/9/67	1.0 mg	9:35			
	2.5 mg	10:40;	1.0	11:05;	3.7 12:20 $\Sigma$ 8.2 mg (harm) (3 hrs) N.S. effect.
6/29/67	18 mg	8:00 AM.	(in dil H <sub>2</sub> O).		no effect.
7/18/67	33.4 mg	8:50 AM	(in cap)	trace unresorbable,	11:AM - no effect.

Hystradine:

(or ~~6~~ 6-MeO-H<sub>4</sub>-harman, see index)

KOZ - to 300 mg. no effects except pain in testicles.

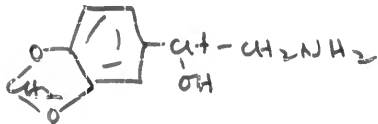
ce--ethylethNH<sub>2</sub> - KOZ to 400 mg - NR

Barbituric .

Ex. KOZ to 300 mg. N.R.



2-OH-MDA.

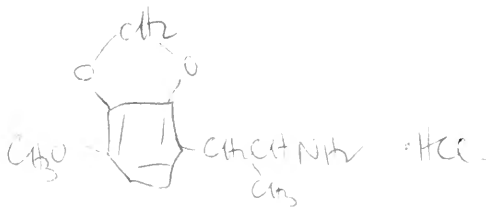


MDE  
methylenedioxy ethylamine

by KOZ to 100 mg, NR.

The report: June ~25, 1967.

MMDA - 36.



7/25/67 GLADYS 1.0 mg NR.

8/11/67 " 14 mg Threshold?

8/15/67 " 22 mg. NR.

4/19/67 " 37 mg NR

relative - ~~action~~ perhaps less. - "qualitatively like MDA -  $\therefore$  gran-

TMA-12 3/3/76 8.0 mg No effects. / see GLADYS (ATS - threshold KOZ P. 93) (on 12 mg p 98-99)

5/9/76 12.0 mg ~~12.25 mg~~ 12.25 (nom) maybe slightest threshold at 2-4 P.M. - certainly low at 5. n.e.

6/15/76 16.0 mg ATS 3:00 PM - [0:00] - p. to read - moderately long-lasting - max. effects (2:30) - [5:00] - something still at [7:30] - see page 188

5/25/77 20 mg ATS 9:25 AM 9:00 [1:20] sugar than-head effects (2:00) by 6:50 min - [minutes to [5:00 or 6:00] - very light stim. + at least. no residue. - see 5/10/77 entry of 5-00s-DPT - sensory dist. same, similar here.

10/4/77 25 mg + to ++ see p 253

6/7/76 3 mg ATS n.e

6/23/76 12 mg ATS 1:00 PM

headed - at 4

11/20/76 16 mg ATS effect - [ ]

4/23/77 20 mg [ ]

4/29/77 25 mg [ ]

5/4/77 30 mg [ ]

5/11/77 30 mg [ ]

5/21/77 40 mg [ ]

4/14/77 60 mg [ ]

MEM. p. 78. TMA-2 -

11.0 mg. — day of lurch faces, fun, nausea of ice-cream cone.

MEM (11.0 mg)

10.20 AM. 11.0 mg.  
12:00 lunch - lurch - lurch faces - down  
to Tappan - ice-cream. - to GLADYS lab.  
1:12 - telephone - each side of security -  
conversations in both → rotation -  
backs to office (1:30) & commits -  
1:30 → 1:30 stop - continue in the next  
day.

2:00 coming out - lurchy - nausea  
in control.

at first approx → A = B ←

must try both at maybe 15 mg. maybe try with.

TMA 2 (11.0 mg).

10.00 AM 11.0 mg 9/26/67  
12-1 lurch more faces, more need of  
language center than MEM - afternoon  
into 2 or so before the interview  
black & white speaker was certain to  
be dying out.

At no point ~~for~~ was this more than  
very near threshold - but it was  
there and a real in world.

As a universal agent - this is  
the more pertinent - but for  
giggles & fun - MEM is probably  
more effective.

MEM GLADYS 12.5 mg = 10 mg TMA-2 p 112.  
15 mg routine p 78  
MS p 78 and above.

TMA-2 12/24/76 8 mg ATB (11:20 AM)

11:30 clear threshold

2:20 still threshold.

threshold - 11:30 (2:30) read - some temple burn & light  
3:00-4:00 still read - out 5:00 - complete control  
1:30 PM. afternoon of Pacific Overtones - possible migraine  
was itself bizarre - no evening problems. not a good night.  
details on page 229  
details on page 229  
details on page 229  
see p 229, 233  
see p 229-233

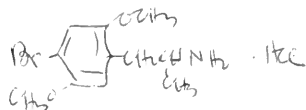
3/1/76 16 mg 5:15 (6:00); 11:00-11:30 dinner -  
shame evening (no extra > 1 month) stomach  
cramp, but N very ill. read early at 5:00  
and slept well. <sup>raise</sup> ~~raise~~ threshold, that's all.

5/30/76 12+ (dinner) = 13 mg. rather effective  
dose - more than threshold - see p 185

2/6/77 16 mg 10:10 AM = [0.05] [105] at. light head. (2.00)  
more noticeable - am I kidding? [10:00] out of eyes  
knew in! - slight if any effects.

4/2/77 2 mg [ ] continue on 229

10/16/77 20 mg [ ] see page 229



ABR.

4/21/67. 10 y - 4 PM - no effect.

9/22/67 GLADYS 20 y - 8:45 at 9:10 - thought visual field changed - I watched him several times say "This is absurd" - he would ignore something that was certainly unusual - and in a moment, be made aware of it. Almost like threshold. (at 20 y!) let us assume, no effects.

9/24/67 AS 30 y No effect.

9/25/67 GLADYS 30 y - NR.

9/26/67 AS 100 y NR.

10/1/67 ATS 200 y (11:45 AM) y. possible motor & altered judgement when driving - effect? probably NR

10/4/67 GLADYS 400 y 1<sup>st</sup> mild effects at 4:00 PM. on to 8 PM - taper off to 2

enhancement of vision perception + color. "Clean cold feeling of wind on skin". Enhanced intuitive effect, very comfortable & good feeling. ~~Easy~~ easy to sleep - colorful dreams (unpleasant). Not tired after 5 hrs sleep

1973 - Jan - Feb. all the Br<sup>82</sup>, Br<sup>72</sup> work. IV up to 400 y N.E.

Oral to 200 y - trivial stimulation. TS, me, Gisela, Abba.

2/22/73 ATS 30 y IV. (25 µg Br<sup>82</sup>.) N.E.

KOZ received 101 mg 14 Oct 1967 - reported 1.5 mg → long duration but no increased effects.

Animal tox: Solution 10<sup>10</sup> 50 mg/Kg mice

0:02 twitching.

1:09 irritated - avoid being probed.

1:28 + 2<sup>nd</sup> mouse - paramore

1:30 interactions pretty normal

6:00 cuddle together - no later effect

on to page 226

Harmalan. Harmaline.

In mixtures.

Harmaline 250 mg + 75 MDA → 16 hrs + motor  
agitation

H — 250 mg + 20 TMA-2 → "

FREDO claims to have data. - Personal comm. (6/30/76) - oral 350 mg -  
Open eyes hallucinations - 1 1/2 - 3 hrs. as she recalls - drops off & more and more  
reassignment to eyes-closed. has written notes early nausea.

My notes on page 225



GLADYS

GLADYS

GLADYS

GLADYS

40 mg ATS 11:30 AM 2/15/68 - 12:30 - 2 bit sandwich - all very  
 neat - 1:00 take N. to home - no effects.

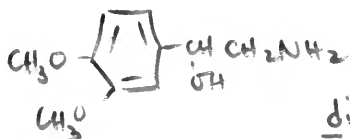
55 mg ATS 2/21/68 post breakfast - 1:15 PM - no effects - evening  
 wine very effective, but probably not unusually so. NE.

70 mg ATS (9:05 AM) - 2/28/68 all systems turned up - but nothing switched on.

MIX 2 TMA-2

3/13/68 { 40 mg  $\beta$ -asarone (8:05 AM)  
 2.5 mg TMA-2 (8:45 AM) }

4/18/68 { 40 mg  $\beta$ -asarone (9:35 AM)  
 10 mg TMA-2 (10:15 AM) } my note is blank, thus I assume, no effects.  
 (note form 11/27/76)



dimethoxyphenyl ethanamine  
DME

GLADYS	50 mg	12:00	5/8/68	NR	
ATS	100 mg	1:45	5/8/68	NR	
ATS	200 mg	9:10 AM	5/10/68	NR	0.04 ml @ 0 mg / 2 ml.
GLADYS	400 mg	? PM	5/10/68	NR	
ATS	800 mg	10:50 AM	5/13/68	NR	The vague face at 1:30?
GLADYS	1.6 mg	1:50 PM	5/13/68	NR?	real 3:00 PM? intensely sleepy 4:30
GLADYS	2.5 mg	1:45 PM	5/15/68		
GLADYS	5.0 mg	2:05	5/20/68	NR?	
ATS	10.0 mg	11:00	5/21/68	NR	
GLADYS	19.5 mg	4:00 PM	5/22/68		nothing.
ATS	32 mg	9:50 AM	6/4/68		excessive diarrhea - at 1:30 - but greasy fish & chips at 1:00 - NR.
GLADYS	55 mg		6/7/68		poorly nothing.
ATS	75 mg	12:53	6/27/68		nothing (mild bitter taste).
GLADYS	115 mg		6 Nov 68	GLADYS	Facility numerous 1/2 - 1 hr slow start to coming then usual

Muscle tox. 7/5/68.

- [0.05] 200 mg/kg
- (0.01) reared stretch - poor hand-leg function
- (0.07) hypoknetic - relative? (1:40) inured
- [0.00] 500 mg/kg [0.11] bear walk [0.17] slow  
wading but good coordination [0.30] cili  
scratched lip - not easily pulled to water  
in minutes



DATE	DOSE	TIME	EFFECTS
7/5/68	5 mg (0.005g)	4:45 PM	NE
7/6/68	20 mg	10 AM	NE
7/7/68	40 mg	7:30 AM	NE
7/13/68	80 mg	8:30 AM	NE
GLADYS 7/19/68	160 mg		NE
" 7/24/68	320 mg		"
" 8/5/68	640 mg (0.8ml)		"
" 8/7/68	1.28 mg (1.6ml)		"
" 8/8/68	2.56 mg (3.2ml)		NE
" 8/12/68	4 mg (5ml)		NE
PK 8/13/68	6 mg (7.5ml)		
	actually <del>2.56</del> 6 mg		NE (silly, but probably NE)
PKS - 8/15/68	6.0 mg		no effect
8 19 Aug 68	14.0 mg	social.	no effect

toxicity on 2M - mice - 2:54 PM 100 mg/Kg [0.01] OK (0.02) slowing down - [1.00] normal  
 3:05 PM, 150 mg/Kg i.p. [0.05] odd gait [0.10] no response to prodding [0.11] dead  
 2:58 PM, 200 mg/Kg i.p. [0.06] difficulties in walking [0.07] on back [0.11] convulsions  
 thrashing - [0.12] dead.





K02

2 mg - NE.

500 mg. orally (C.N.) n.r. -

---

$\text{CH}_3\text{CH}_2\text{OH}$

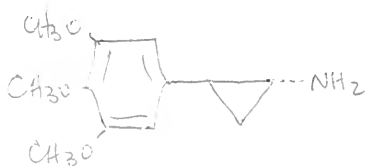
ethanol

Wash-out starts - end of January 1976 - rigidly no ethanol of any form. Exceptions:  
Several glasses of wine Timber Cove <sup>(Calif. 1976)</sup> - note vertigo - not too pleasant. Exception: one  
glass champagne & 1 glass dinner wine Jan 1 (Dec 31) 1977 - excellent taste! - no effects.

- 5g (95% diluted to 80 ml) 10.00 PM 6/8/77. no effect.

- 10g (95% diluted to 80 ml) 4.51 PM <sup>(Calif.)</sup> [0.100] [10] = ? no - no effect.

TMT



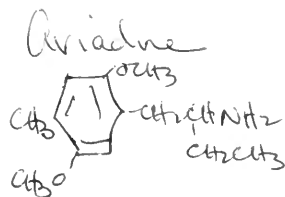
Dr ANTHONY, Toronto.

GLADYS 0.1mg 27 Oct 68 - nothing  
 ATB 0.2mg (2mg) 4 Oct 68 - nothing  
 GLADYS 0.4mg (0.4mg) 15 Oct 68 - nothing  
 GLADYS 0.8mg 10 Aug 23 Oct 68 - nothing  
 ATB 1.6mg 29 Oct 68 - nothing  
 ATB 3.4mg 7 May 69 - 10.40 AM - nothing - extremely effective from 12.30 - 3 PM 7.50. N.R.  
 GLADYS 7.1mg 19 May 69 - nothing  
 ATB 13.5mg 19 May 69 - nothing  
 19 May 69 10.40 AM - nothing - extremely effective from 12.30 - 3 PM 7.50. N.R.  
 but looking at nothing - extremely effective.

Arvidue blind studies

Broken code

	GLADYS	ATB	rotation sign	Notes
May, 1979	A. Aug	C. Aug	(+)	GLADYS no action; ATB perhaps depression relief. n.c.
(ATB) 5/22/79 5/25/79	B. Aug	D. Aug	(-)	GLADYS gives real effect; ATB - slight "hangover" unavailability n.c.



12/24/68 10 AM 0.05 mg N.E.  
 12/6/68 PM 0.10 mg N Effect.  
 12/8/68 ATB 12<sup>noon</sup> 0.20 mg - PM is a little wine & grass - amnesia to 6 AM.  
 no effect?

2/20/69 ATB 7:45 AM 2.5 mg - almost noticeable mood elevation - no sedation.  
 13 Mar/69 - 4 PM 2.5 mg - seems definite mood ↑ - nothing perceptible - antidepressant sans jittery effect

ATB 4.0 mg Nothing or. 1 hr of being enthusiastic  
 evening - extremely tranquil - groggy at Claremont Hotel.

17/Mar/69 4 PM 4.5 mg Worked & enthusiasm - cleared up  
 4 year inventory of procrastination.

ATB 10:30 6.0 mg worse all day - definitely anti-depressant  
 wild at Dow -

May 13 1969 50 mg - going with efficacy into third day -  
 the sedation in previous incident. Very effective

Mouse toxicity: March 7, 1969.

25 mg/Kg i.p. 11:58 AM. [0:02] slow, awkward gait [0:12] more when prodded - some  
 tremors [0:27] occasional "hiccup" spasms - moves about, but oddly [3:00] all OK

50 mg/Kg 1:55 PM [0:12] sporadic shivering [1:15] tremors. survived -

100 mg/Kg i.p. 11:45 AM. [0:03] not moving much. [0:05] tremors - unsteady  
 gait. [0:08] - convulsions - death.

June - July 1970 G.W. notes - see 192-193.

Blind studies

det TMA-2

80% i.e., 50% pure (this + 10%) (acc. Matin) -  
Diod - 30% pure

i.e. 65% of  
35% C

GLADYS

1.0 mg nothing.

7/24/69 ATS

3.2 mg (11 AM) nothing

7/31/69 ATS

5.5 mg (11:30 AM) nothing

I have read pages \_\_\_\_\_ to \_\_\_\_\_ in the  
notebook and understood their content.  
There are no blank pages, except \_\_\_\_\_  
All entries are in the handwriting \_\_\_\_\_

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

l(-) TMA-2

10°(-) - pure isomer.

"Mixture" - L is L  
40% pure  
10-70% L  
30% D.

GLADYS

4 mg

Some color

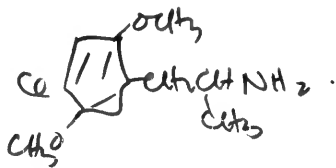
GLADYS

6.0 mg

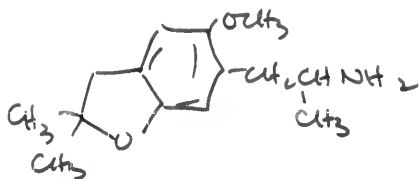
euphoria - no perceptible changes -  
max at 3-5 hrs - unpleasant  
after effects - not desirable?

ATS

7.7 mg Sept 18 9:30 AM.



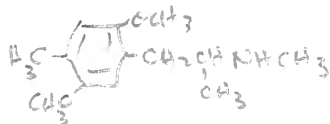
- June 19, 1971. 12:15 0.030 mg. - no effect. - The next day Sunday was wild (nice) with hints of a LSD-like intoxic, but not believably related to Sat. exper.
- October 8, 1974 9:00 AM 0.10 mg - no effects.
- February 19, 1975 10:45 AM 0.20 mg - probably no effects - some peripheral in a few hours? Not to be believed
- July 4, 1975 12:00 noon 0.30 mg - 1:00 - lightness? - early rush? 3:30. real talk gritty - gone by 8:00. . . .
- ± Jun 25 1976 Sun. 11:30 AM. 0.40 mg - 2:30 [3:00] twinges of uneasiness - not too nice  
 3:00 → 5:00 restricted pressure, like a yawn - continuous  
 basically an unpleasant afternoon - nothing really - certainly nothing psychological - but maybe physical.



F-2,2

Oct 20.	2:50 PM.	0.010g	no effect.
Oct 22.	noon	0.025g	no effect.
Oct 25	~ 1 AM.	0.05 mg	no effect - taken on polar flight to Copenhagen. after couple of drinks, dinner. Dozed a while - Had no jet lag.
~ <del>Oct</del> Nov 5?	?	0.08 mg	no effect.
Dec. 13 1971	8:30 AM.	0.125g	no effect.
Dec 27, 1971	7 AM.	0.175g	no effect.
Jan 8, 1972	noon	0.25 mg	no effect.
May 13, 1972	9:30 AM.	0.4 mg	no effect - food mood all P.M. - not able to coordinate efforts - it was hot outside.
May 28, 1972	10:30 AM	0.65 mg	no effect
April 17, 1973	7:30 AM.	1.0 mg	no effects
May 18 1973	7:30 AM	1.3 mg	no effects.
May 28 1973	10:00 AM	1.7 mg	no effects.
June 12, 1973	7:45 AM	2.6 mg	no effects.
Feb. 12, 1975	9:35 AM	4.2 mg	no effects.
April 15, 1975	11:20 AM	7.0 mg	no effects.
May 20, 1975	9:00 AM	10.0 mg	something at 1 1/2 hr? no effects.
June 14 1975	8:30 AM.	13.0 mg	no effects.

N-Me DCM.



-	3/5/72	1 PM	0.1 mg	N.E.	
-	3/10/72	6:30 AM	0.2 mg	N.E.	
-	4/2/72	11:AM	0.4 mg	N.E.	
-	4/9/72	10:30 AM.	0.7 mg	N.E.	(slight headache next AM - wine?)
-	4/16/72	~ 10 AM.	1.1 mg	N.E.	
-	4/22/72	~ 10:30 AM	1.6 mg	N.E.	
-	6/20/72	8:30 AM	2.2 mg.	N.E.	
-	10/1/72	10:50 AM.	3.0 mg	N.E.	
+	10/15/75	8:35 AM	3.0 mg		a very slight unworldly feeling at roughly 2-2 PM (6-7 hrs into it) and was thoroughly manic all day. Probably N.E. felt in even, flat, ill-at-ease all day - N.E.
±	11/19/75	10:15 AM	4.0 mg.		2 PM some unwell - as if a slight effect was stretched out over the whole afternoon
±	11/29/75	10:30 AM	5.5 mg		at 10:20 [11:30] an intenseness of some overtoning threshold. - strange threshold through 1 or 2 PM [4:00 - 5:00] - no after effects - quite willing to go on.
+	2/15/75 (76?)	8:50 AM	6.5 mg		



# Optically Active Dom

l-(-) DOM

l(+) DOM.

3/29/72 10<sup>30</sup> AM 0.15 mg - pressures in chest (as inhibition-like) at ~5 hrs - no effects.

4/4/72 10<sup>30</sup> AM 0.3 mg - maybe slight wiley? - no effects.

4/14/72. 9<sup>40</sup> AM - 0.5 mg - fully stoned  $\bar{c}$  a mg of Dom - lunch  $\bar{c}$  BRIAN - afternoon  $\bar{c}$  the throw away with CAROL - main - a trace of time stoned - but otherwise full hysteria - COLIN - overhearing a comment from me to JANET - She has an acute hearing, if nothing else - CAROL is loose here - Comments with DICK - the certain comment clearly the 1.1 mg of Dom & the needed stenographic pad! Some mydriasis - pretty much clear by early evening.

3/31/72 10<sup>30</sup> AM 0.15 mg NE.

4/11/72 1<sup>30</sup> PM. 0.3 mg NE

4/17/72 9<sup>40</sup> AM. 0.6 mg NE

5/30/72 10<sup>30</sup> AM. 1.2 mg. in middle of afternoon - extensive diarrhea - late PM - both grinding - these! absolutely no central turn-on however. NE. cal. chem. lib.

5/4/72 11:45 AM. 1.7 mg. N.E.

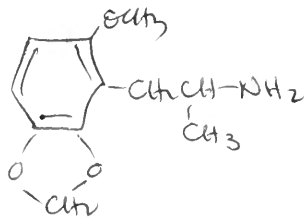
8/10/72 11:45 AM. 2.0 mg (new solution) N.E. (pulse ~200 PM  $\bar{c}$  88 - that's all.)

8/21/72 11:30 AM. 2.6 mg - I feel that there were cat's skin - some mydriasis, some pulse and signs of blood pressure? - teeth rattle - but still no turn on whatsoever. Hold up Nature paper for me we try  $\bar{c}$  actual dynamic measurements.

2x STRAY - friend  $\bar{c}$  n.e. at x mg (+) STP on next day had severe Rx  $\bar{c}$  poor hashish. See comments on N-Me DOB p 208

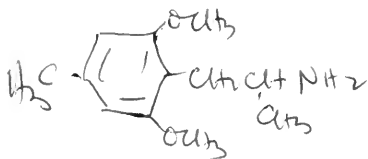
ex. BU

MMDA-5



BU active, at about 30 mg orally. modestly active - not too pleasant. -- no equates qual. to MMDA-3a (late 1972)  
Cl (per BU) 15 mg - no report.

!

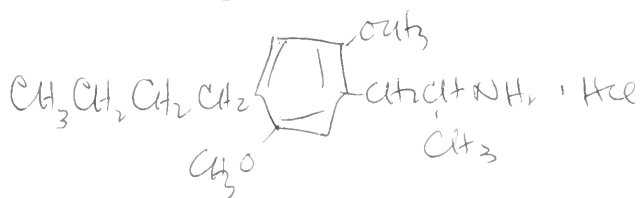


Active at 3-5 mg orally - equivalent to 1-2 mg of DOM. See page 190 for my own assay.

March 12 1974. ATB 2.2 mg. (9.45 AM.) By 12:50 light-headed - between 2 PM to 5 PM increasingly wound up (wame, intox) 5-8 - 2 martinis & dinner at Cliff's - (wine, a little - taste awful) - couldn't drink much - Whisker's Trial to 11 PM - couldn't sleep 12-4 AM - then eat wif. AM - no hangover. Clear threshold at 2.2 (25 DOM at 1.0)

1/1 DOM = 80 M.U.  
DOBH = 36 M.U.

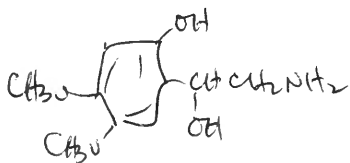
# DOBU



- Jan 21, 1973 ATB 0.025 mg (12:00 noon) N.R.
- Jan 25, 1973 ATB 0.05 mg (6:30 AM) N.R.
- Feb. 10, 1973 ATB 0.10 mg (9:00 AM) N.R.
- Feb. 21, 1973 ATB 0.20 mg (8:00 AM) N.E.
- March 26, 1973 ATB 0.40 mg (9:30 AM) N.E.
- April 27, 1973 ATB 0.65 mg (7:45 AM) N.E.
- May 22, 1973 ATB 1.30 mg (8:00 AM) N.E.
- May 29, 1973 ATB 1.10 mg (7:45 AM) Possible twinges at ~11 AM? N.E.
- July 12, 1973 ATB 1.4 mg (8:00 AM) Rather sweet?! After 2 glasses wine at 2 PM (late lunch) some time slowing - 3:05 AM's chapter went well  $\leq 30$  marital fury at cat for pot in greenhouse - easy intx & store? Probably no effect, but if there is, slow meet. N.E.
- Aug 18, 1973 ATB 1.8 mg (7:45 AM) no breakfast, no booze, no effects.
- Sept 3, 1973 ATB 2.3 mg (11:10 AM) Careful - at 3-5 PM - rubbery tooth, uncomfortable paresthesia - no mydriasis - no CNS effects at all - separate peripheral from central? Go slowly - No effects (central).
- Dec 26, 1973 ATB 2.8 mg (7:30 AM) - Nothing until ~3 PM. Some irritability - then rubbery - mydriasis - stimulation - but really quite clear - (phone calls to Duke, Davis - but then the Dica-AD mixup) - still tight at 6 PM then wine (quite a bit) but never quite sloppy. I do believe this is peripheral stim. Was I more alert mentally? I doubt it. Let's compare the coke analysis of Fielded (almost) 3 larger phone structures. Go slowly. - Next day - depressed mood & feel most ill - did not sleep through night (dozed?).
- In retrospect - that evening I drank much wine (to get to sleep) and I was in no way drunk! - was Am a "hangover" coupled & no sleep and is DOBU an anti-alcohol?

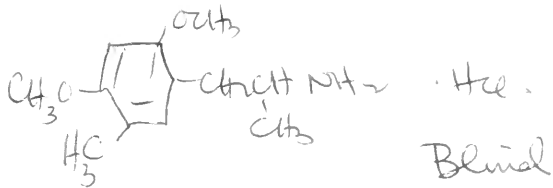


DOBU  
continued



ex Chris

Date	amt.	who	results
8/8/73	25 µg	ATS	no effects
8/11/73	50 µg	ATS	no effects (solution slightly brown).
8/13/73	100 µg	AT	11:30 AM N.E.
8/30/73	250 µg.	ATS.	8:30 AM. N.E.



Also present:

DOM (HCl)  
amphetamine sulfate.

(code) ev  
Lynda

as F-310. So my no effects -  
Gwen

(A)

date amt

(B)

date amt

(C)

date amt.

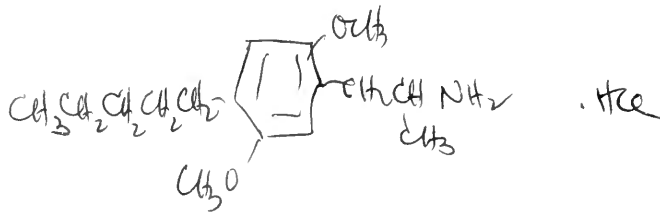
**FOLDOUT BLANK**

A F510 100.0 mg

B d-10Y <sub>NH<sub>3</sub>ASC</sub> 100.0 mg

100  
100  
100  
100  
100

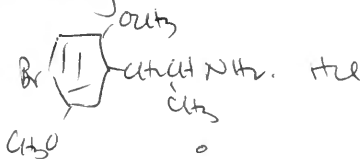
# Trials on DOAM



Date	Time	ATS	Dose	Effects
Feb 21, 1974	9:40 AM	ATS	0.6 mg	minor irritability in PM - N.E.
Feb 28, 1974	7:50 AM	ATS	1.2 mg	no effects at all.
March 9, 1974	10:30 AM	ATS	2.0 mg	no effects.
March 27, 1974	10:30 AM	ATS	3.0 mg	Couldnt sleep midnigt → 5 AM. otherwise N.E.
April 13, 1974	10:45 AM	ATS	3.5 mg	no effect (slept well).
May 16, 1974	7:45 AM	ATS	5.0 mg	possibly 10 AM - 11 AM speech mis-articulation felt AM i...VIC; - was strangely witty - "To climb waves takes great talons" "Day of Great Expectations" - (array of legs or o's) no sequelae - no trouble sleeping. Probably not Threshold - try modest step forward however
May 27, 1974	8:30 AM	ATS	6.0 mg	no effects - no problem sleeping. ∴ < 13 MU
June 5, 1974	8:30 AM	ATS	7.5 mg	no effects. ∴ < 10 MU.
Aug 1, 1974	9:10 AM	ATS	10.0 mg	clear threshold. quite gay & volatile at lunch (Geddy + Lana) and bubbled into afternoon. 3-5 a little teeth-rubby - some motor incoordination in writing - strange teneness in driving home from - med center. much sherry & sleep somewhat greatfully. but OK. 10 MU.



# Optically active PBR -



(The "R" isomer was assigned  
 $\pm$  Br<sup>82</sup> i.v. & had identical  
 body distribution to the dl.

"R" (-)

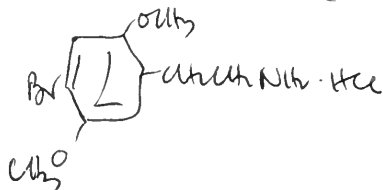
"S" (+)

- March 11 1974 0.10 mg ATS 2:00 PM no effect.
- $\pm$  10/5/77 0.20 mg ATS 7:50 AM - at [3:00] a warmth  
 and generalized clear feeling. - Persists for a  
 couple of hours - possible  $\pm$ . no vesicles.
- ++ 10/21/77 0.5 mg 2:02 AM = [0:00] [1:30] numb &  
 undermy [1:45] am at + me - clear & obvious -  
 maybe ++ [4:00] numb ++ itch - largely unaltered  
 quite functional - but probably not desirable.  
 (5:00) some drooping (5:30) droop quite quickly  
 to + or below [5] still aware [11] some awareness  
 still [14] trouble sleeping - residual strain !. ++

- May 16 1975 0.10 mg ATS 11:30 AM - no effect.
- July 24 1976 0.20 mg ATS 10:30 AM - strong CT 2 PM? -  
 no effects.
- 6/1/77 0.5 mg ATS 9:00 AM - 10:15? 11:00? no effects -
- 4/5/77 1.0 mg ATS 10:35 AM = [0:00] - something warm  $\pm$   
 and numb at [1:30]? at [3:00] - still ? - y hi, very  
 slight [5:00] nothing -  $\pm$  at most

# Trials on 2-carbon PBR

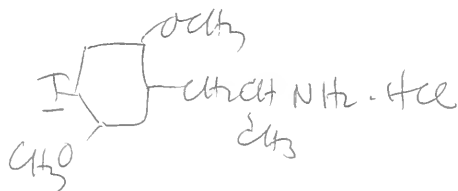
(brown?)  
(new brown?)



Letter from CH  
- 1-5 mg i an MDA-let  
action.

Date	Dose	Notes
June 26 1974	0.5 mg	ATS (11:15 AM) no effects
July 9 1974	1.0 mg	ATS (9:00 AM) no effects.
Sept 28 1974	1.6 mg	ATS (10:30 AM) - aimed for door in PM - light effects (?) 11:30-12? limited paraesthesia, no
October 13 1974	2.1 mg	ATS no effects.
October 20 1974	2.6 mg	ATS no effects.
Oct. 26 1974	3.2 mg	ATS - possible mild enhancement of senses - swallowed Jim's chewing gum at 20 ft. - quite a bad mood in evening. Very depressed by the waste of time at Belmont - Everyone wastes his life, etc
Nov. 3 1974	3.8 mg	ATS no effects.
Nov 17 1974	4.5 mg	ATS (noon) Probable sensory sparkle in the hour. Remarkable omelette with bits of cheese, on ir extremely enjoyable. Threshold? no effects, certainly nothing abrupt.
Dec 30 1974	5.5 mg	ATS (11:15 AM) - threshold at ~ 1 hr. ate at 1 1/2 - enjoyed - intense org at ~ 2 1/2 hrs - completely clear mind
Jan 8, 1975	7.0 mg	ATS (8:15 AM) Beautifully effective. <div style="margin-left: 20px;"> <p>Real time →</p> <p><span style="border: 1px solid black; padding: 2px;">:40</span> light headedness noted</p> <p><span style="border: 1px solid black; padding: 2px;">1:00</span> coming on - it's step-wise building, dont each step is easily handled (accomplished) in turn.</p> <p><span style="border: 1px solid black; padding: 2px;">1:15</span> getting quite exciting - all inputs at once and fire - piano - radio - telephone - typewriter.</p> <p><span style="border: 1px solid black; padding: 2px;">1:35</span> 1st leaves for town marvelous.</p> <p><span style="border: 1px solid black; padding: 2px;">2:00</span> to lab - good org. synthesize the poem 100 million spermatozoas; some girls some boys</p> <p><span style="border: 1px solid black; padding: 2px;">2:05</span> . Eat a melting apple</p> <p><span style="border: 1px solid black; padding: 2px;">2:45</span> coming out quickly - regrets - would like to</p> <p><span style="border: 1px solid black; padding: 2px;">3:45</span> lunch, chess - cold water - fully active.</p> </div>
March 16, 1975	7.0 mg	ATS (12:10 - 4 hrs. post intravenous). Almost nothing at <span style="border: 1px solid black; padding: 2px;">1:15</span> (elapsed time - maybe coming, maybe not; at <span style="border: 1px solid black; padding: 2px;">2:15</span> - a hr. of heavy nose - dry nose in back of nose - maybe slight del

# Trials m 4-I



4-I

- July 1, 1974. 0.020 mg 1:00 PM ATS There was almost some tooth-rubbing at about 2:00 - beer & lunch - therefore no effect - go a bit slowly.
- July 4, 1974 0.040 mg 10:50 AM. ATS No Effect.
- July 11, 1974 0.065 mg. 8:35 AM ATS No Effect.
- Aug 8, 1974 0.10 mg 8:30 AM ATB. General stimulation in P.M., but heavy euphoria to I<sub>2</sub> - i.e. no effect.
- Sept 7, 1974 0.175 mg 10:00 AM ATS no effects
- January 10, 1975 0.25 mg 9:55 AM ATS no effects.
- + Jan 28, 1975 0.40 mg. 10:15 AM ATS. 2:30 (12.45 PM) very lightly spaced  
5:30 still lightly spaced - getting a bit done  
5:45 (4:00 PM) a bit more! a trace of ice in vial  
10:45 (9 PM) try to soften & burp - no intake - ~~no~~ sleep. ov. cat naps at last - repeat old CIA dream - AM - OK - no pencil for lack of sleep. Is this a fact that is a sense blockade? - note ← re-2 centom of Jan 11, 1975; the no-burp effect - the no-sleep effect?
- + April 29, 1975 0.60 mg 9:30 AM ATS 3:00 nice spaced light-headedness - clear threshold. 4:00 still light-headed. time moving slowly.  
5:00 (2:30 orish) still there - slow tour of farm - sad reminiscences - at lower house (verbally pleasures now gone) - Joe's earlier days (high-school teen - "bit w a few" - I see the area - farm - getting old around me - I just can't do it all, and no-one else cares. Will I be allowed to be here when I am older. 7:00 Things seem to be becoming back-to-present
- # Aug 18, 1976 0.40 mg, 16 μ<sup>131</sup>I. 11:35 AM could kid myself at 3:00 PM. skinnier - n.e.

~ April 1975 7.0 mg ATS Third fry: 10:AM 0:00 (10:10 in kitchen clock)

1:15 light-head 1:40 pleasant high - I can explain earlier contradiction - I was looking for the wrong thing.

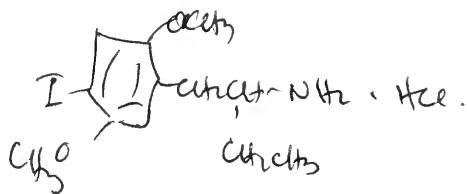
2:10 full pleasure of everything - 3:00 - gone, largely.

Oct 24 1976 8.0 mg ATS (2:10 PM to 0:00) 0:50 i<sup>2</sup> nut 1:05 slight 1:10 very gradual - no eye-throw 1:30 up to 10-20% "window" effect of MDMA - slight edge effect less.

2:05 substantially out - little effect overall - yesterday was 100 mg MDMA - perhaps more tolerance?

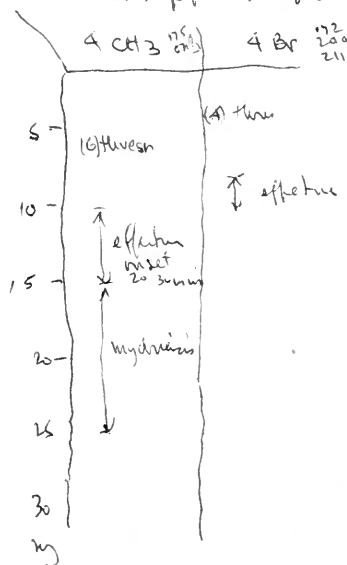
continue on page 204

# Acute Trials



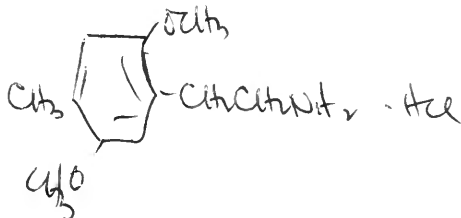
August 23, 1974	10:40 AM	ATS	0.5 mg	no effects -
Aug 26 1974	9:30 AM	ATS	1.0 mg	mild tremors in paws - no effects
Sept 2 1974	11:35 AM	ATS	2.0 mg	no effects.
Sept 27 1974	8:45 AM	ATS	4.0 mg	no effects.
Aug 11 1976	11:25 AM	ATS	4.7 mg (12.4 $\mu\text{C}$ $^{131}\text{I}$ labelled)	almost none to the brain. Liver, gut has all. Body load - no central effects.

## Comparison of Phenylethylamine acid to piperazine



# Acute Trials.

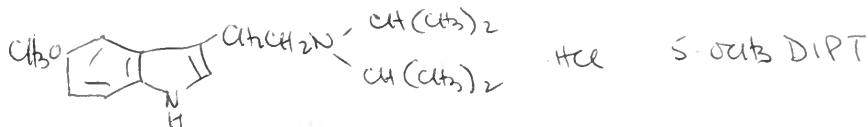
See earlier notes re. 1964-5 epts on page 94.



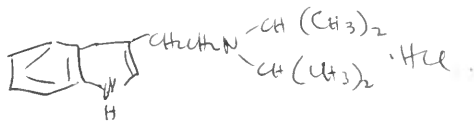
2-C-DM!

yes - 10.25AM  
Nov 26, 74 -  
2mg - No effects

- Nov 26 1974 - One trial at, I believe, 2 mg was made in late Nov or early Dec 1974 - cannot find notes.
- Dec 21 1974 12:00M ATS 2.5mg. no effects.
- Dec 26 1974 2:15PM ATS 4.5mg. no effects.
- ± Jan 3, 1975 9:15AM ATS 6.0mg - a bit of threshold temporal pressure at 1-1/2 hrs - nothing at 3 hrs.
- Jan 11, 1975 9:05AM ATS 8.0mg. no effects - note 4 I 1/10/75 tachylyth? 4Br2c 1/8/75
- ± Jan 24, 1975 10:50 AM ATS 8.0mg after > 1 week drug free - slight coming on at 11:45 - certainly clear by 1:00 - not noticeably different than the N.E. of 1/11/75. administered 10mg without - then with ~15 hr preheat @ 4-I.
- ± February 6, 1975 9:55AM ATS 10. mg slight teeth, slight throat dryness at 12:30 - stim. c tongue - certainly out at 2:00 PM. N.E.?
- ± February 16, 1975 10:00 AM ATS 12 mg: at 11:00 AM (1hr) a wee bit - if this is all, I am disappointed that it was only 12 mg. Very slight effect from 1-2 hrs. that is all.
- ± February 23, 1975 8:00 AM ATS 15mg in an hour or so - a slight effect - that's all.
- ± August 19 1975 11:00 AM ATS 15 mg - slight effects, 1-2 hrs.
- ± Dec 15, 1975 10:30AM ATS 15 mg - slight if any effects 1 1/2 - 2 hrs.
- + Nov 26, 1976 9:40 AM ATS 20 mg. - at [0:50] maybe slightest effects [1:30] I seem to be a little off-key - I can focus on whatever I wish to. [2:00] decide to focus on chemistry - and that pretty much ends it all. Substantially no effect.
- date - 1976? (GRAY) 15mg and 20mg - few hrs - approx c bit c <H letter 1/4/77
- ++ 6/6/77 9:03 AM [0:00] [1:40 - 1:00] develops to a somewhat brittle effect [2:00] + or ++ stoned - [25mg?] sensitive - not nearly the fun of MDMA - [5:00] out - ++ OK. I do not find this useful or interesting - shallow & brittle.
- + 5/18/78 7:50 AM. [0:00] 20mg [0:40] something very subtle starts (1:00) a subtle + one basically nice - I wish it were more intense (1:20) very real + - intense ej!! (1:35) between + & ++ but I cannot say anything I wish to. So, chop weeds - drift back uneventfully.



- June ~ 4 (Thursday) 1975 8:45 AM. 1.0 mg no effects.
- ± June ~ 10 (Wednesday) '75 10:20 AM. 1.8 mg Visited AO at Dow - bridge at ~ 1200 with noticeable tremor - hand shakes - poor bridge. dilation? prob. no effects. slight teeth-rubbing - no effects.
- June ~ 28 (Sat.) 1975 10:10 AM 2.5 mg slight teeth-rubbing - no effects.
- + July ~ 17 (Wed) '75 10:40 AM 3.2 mg real threshold - or a bit more!
- real time  
 :20 mild light-headed - nice  
 :30 light intox. very nice - look forward to more.  
 :50 walked out to mail. gentle sparkle and compelling amazement at my hands - quite apart from me - sensory anasthesia? - a warm, friendly, allied world about me.  
 1:30 signs of drooping  
 1:35 31 - magnificent -  
 1:45 (12:25 PM) definitely drooping off - slight residual tooth-rub.  
 3:05 drove well - completely out.
- ++ July 30 1975 (Wed) ATB. 9:30 AM. 4.0 mg. real time 0:00 rears effects.
- 0:25 knees a bit wobbly - something is happening -  
 0:35 organ-like feeling on face, in eyes, at temples - erotic!  
 0:55 spaced - completely delightful - some light flickers (above base line of sight) - enjoy play n words. light light in eye etc  
 1:10 heavy flamed - strong startle Rx - MDMA-2 info! 209 ≡ 209 am I past peak?  
 3:00 completely out.
- + August 27 1975 10:15 AM. 5.0 mg 0:00
- 0:15 light of head? dry of nose? psychosomatic  
 0:20 slight muscular shakes  
 0:23 on it comes - nice  
 0:30 full. slight dilation  
 1:50 whatever I want to attend to, is fully amplified. I keep moving about with my eyes, ears, senses, to see where they will alight. Music, a symphony from a 3" speaker is artificial - the piano (real) is excellent  
 1:15 maybe slow a bit. JOE come, wanted so much to be - hauled well. 2:00 substantially out.
- ++ Sept 3 1975 9:30 AM 6.0 mg. - notes on page 198 continued p. 218



DIPT.

± July. 9, 1975. ATS - 10.30 AM. 10.0mg. Threshold - clear dilation -  
much tooth rubby - 1 hr ↑ 2.5 hr ↓.

+ August 3, 1975 ATS 9:50 AM. 14.0 mg. - More than threshold -

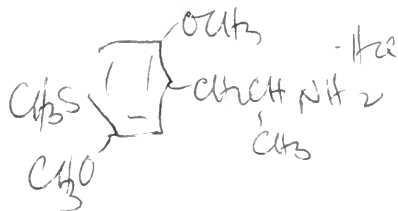
[0:30] teeth rubby - some effect.

[0:50] not light head, but light body. from here to about [1:30] a  
strange trip - my mother's outings - mom-sor - dialogs - lunch  
finally at 12:00 and this. [2:10] still a little unreal -  
not the 5-~~0~~erotic - but some real effect. Up again, but slowly.

BU report late 1972 - 25mg orally → visual change in films, not color - 1 hr  
of it is like acid, and in three hours it is over.

++ Nov. 9, 1976 ATS 4<sup>00</sup> PM. 18 mg. [0:00]. Mild effects noted at [0:00-1:20] easy excitement.  
[1:30-2:30]. remarkable changes in sounds heard. 1515's voice is bass - like a  
cold - my ears - st. pressure as if the ~~st~~ tubes clogged but they ain't. Radio voice  
are all low - music out of key. Piano sounds like a bar-room disaster. Cannot  
count on auditory feedback to play. The telephone sounds faintly underwater.  
No - sounds at 2 levels. [3:40] I think music pretty much normal again -  
virtually no other effects. Certainly clear at (6:00) - probably much earlier.

++ April 7, 1977 ATS 9<sup>20</sup> AM 24 mg [0:00] (0:20) saw slight change [0:35] first signs of  
pitch change on video - hard writing very poor [0:45] in lab. music deteriorating - I  
cannot measure rate of drug effect - as there is absolutely no window [0:55]  
absolute pitch down a major third - chords on piano sounds out of tune, quite  
flat - and when struck, tends to drop and then waver in pitch. Terrible  
[1:30] gone - music extraordinarily and unlistenable - [2:00] middle notes -  
(G above C to E above C above C) have glaucospeid after-words - nowhere there  
here - and on to [3:40] when there is some straining out - were the other senses  
in any way affected. [5:00] sounds returning - in a quiet environment there are  
absolutely no effects of any kind. If I were deaf this would have been an  
inactive case. How many other drugs have I given a (-) to because I did  
not know where to look! [7:20] - hearing normal. pains back in time. ++.



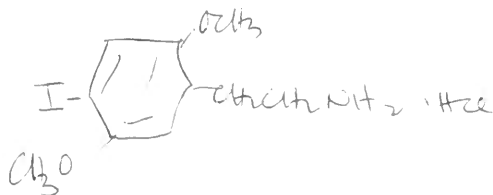
DOT-Hce.

PARADOT

Grey - Kmg - mixed eff. T  
see letter 9/17/76

-	Sept 3 1975	11:30 AM	ATS	0.25 mg	no effects.
-	Sept 5 1975		ATS	0.5 mg	no effect.
-	9/7/75	10:40 AM	ATS	1 mg	no effects.
-	10/10/75	11:30 AM	ATS	2.5 mg	no effects.
-	10/12/75	11:50 AM	ATS	5 mg	no effects.
-	10/17/75	11:30 AM	ATS	8 mg	no effects.
-	10/22/75	11:48 AM	ATS	13 mg	face warmth? no effects.
-	10/31/75	9:23 AM	ATS	20 mg	no effect
±	11/3/75	10:21 AM	ATS	30 mg	vaguely light-headed all day - no effect.
-	11/10/75	11:30 AM	ATS	50 mg	possible face warmth? no effects.
-	11/12/75	11:35 AM	ATS	30 mg	no effect
-	11/16/75	12 noon	ATS	120 mg	immediate lunch call, may not be too bad. N.E.
-	11/27/75	10:45 AM	ATS	160 mg	no effects.
-	12/1/75	12:30 PM	ATS	250 mg	no effects.
-	12/3/75	12:25 PM	ATS	400 mg	went a few days - scale up slowly N.E.
±	12/7/75	11:15 AM	ATS	550 mg	[1:45] slight light-headedness which lunch quitted. [12:00]-[2:30] occasional tachycardia - probably N.E.
-	12/10/75	10:45 AM	ATS	700 mg	no effect.
-	1/4/76	10:30 AM	ATS	1.1 mg	no effects.
+	1/11/76	10:45 AM	ATS	1.7 mg	[1:30] (12:15) distinctly spacy - interesting - go to lunch. [3:15]-[4:15] with rubbery threshold? [5:00] nothing.
+	1/23/76	10:00 AM	ATS	2.5 mg	reach threshold. 11:30 on [1:30] continuous threshold intoxication - on into afternoon - no difficulty with the handling on new chemical ideas - finally at [5:30] only a residual warmth
+	2/1/76	11:00 AM	ATS	3.2 mg	completely reach threshold [1:15] (12:15) noted 1/2 effects. [3:00]-[4:00] happy manic intoxication - clear or virtually clear at 6 PM [6:00] - guess active dose 5-10 mg.
+	2/21/76	11:00 AM	ATS	4.0 mg	very clear (and intense!) threshold. No cloud of intox can be noted. Not really pleasurable, not pleasant - no fun - no time. But clear thresh from [1:15] to about [5:00]
++	1/2/76	10:50 AM	ATS	5.0 mg	extremely effective, pure psycholike intox. [6:50] warming of lower legs [1:35] warm all over - effects in mind. [1:50] intense - no sense of reality changes! - not yet anything - [2:30]-[5:10] intense intellectual stim → <sup>effect</sup> report - 14 pages of notes - well out by [6:00] - novel affluence - emphasis & longer effect. v.





2-carbon  
Do I  
4-I

Jan 28 1976

10:55 AM	ATS	0.5 mg	no effect.
3:55 PM	ATS	1.0 mg (4.2 $\mu$ C $^{131}$ I)	no effect.
?	Dave	2.0 mg (0.75 $\mu$ C $^{131}$ I)	no effect.
10:20 AM	ATS	5.3 mg (20 $\mu$ C $^{131}$ I)	

- 1/29/76

= 1/30/76

Pharmacology: distinct threshold - pains lessen to 12 N but ~ 11:30, in France preclude syst-readings - things get strange - driving back to U.C. needed car. Body scanner all tied up by Larry. back in at 2:30 for scan. All effects gone by then.

Radioautography - 22 mm scan (1/2) - 44 mm scan head & throat  
Repeat head contamination  $\rightarrow$  ~ 0.2  $\mu$ C internal standard.  
based on this: load % of 20  $\mu$ C.

hand	0.2	
breast	~ 0.02	~ 0.1%
thyroid	~ 0.05	~ 0.2%
salivary glands	~ 0.05	~ 0.2%

Very fast excretion (with 1/28/76 run - 25% in 2.5 hrs, 50% in 6 hrs)  
(with 1/30/76 run - work up portal & bow)

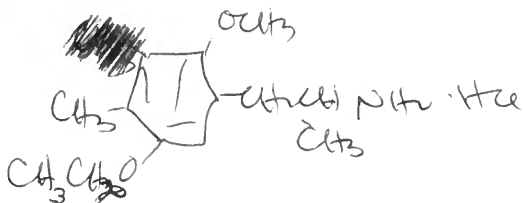
$\pm$  3/1/76 11:10 AM ATB 6.5 mg (0.00) at [1:30] slight light head. at most, a marginal threshold

8/2/76 6:30 PM ATS 8.0 mg (0.00); [1:40] "eyes out of focus" - coming on - some

$\pm$  (+) dryness in throat-nasal area. [2:00] - still finding humor in everything. but teeth rubbing - some "sweaty". [2:30] some throat blooming - ripples in pants leg (as near darkness) can be put into ripples by tumbling high - but even now - effects wearing off. vent threshold. Am willing to try a little higher.

$\pm$  11/28/76 10 mg ATS 10:15 AM [0:00] at [0:40-0:50] feeling of filters being pulled over the ears [1:00] more so - no hint of winders [1:35] some clarity of vision - this is not the 4 or 2 carbon in any way - I am in a not-too-sensible stoned state no earmarks to locate effect - basically I don't like it - being psychotic - mimicked without a sense or vector to point to. [5:00] completely back together again. I feel I am insensitive - someone else might find this most disruptive. U.C. care, or in someone else.

Musical aside - vits c  
Dave & Edward Supic/11 mg  
< 0.3% thyroid  
55% in gut.



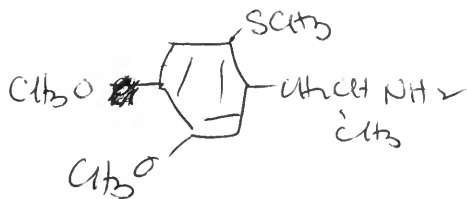
IRIS

-	3/13/1976	11:25 AM	ATS	0.1 mg	no effects
-	3/16/1976	10:45 AM	ATS	0.2 mg	w.e.
-	3/19/76	10:30 AM	ATS	0.4 mg	w.e.
-	3/20/76	11:15 AM	ATS	0.7 mg	w.e.
-	3/23/76	11:30 AM	ATS	1.0 mg	w.e.
-	3/28/76	11:00 AM	ATS	1.6 mg	w.e.
-	4/8/76	10:00 AM	ATS	2.5 mg	w.e.
-	4/11/76	11:15 AM	ATS	3.5 mg	w.e.
-	4/16/76	10:30 AM	ATS	5.0 mg	w.e.
±	4/24/76	10:10 AM	ATS	7.5 mg	Threshold at 1:30 <u>3:20</u> and in an hour <u>4:30</u> all over. Completely belovables - try next at 9.0 mg.
±	5/2/76	11:15 AM	ATS	9.0 mg	slight tooth rub <u>4</u> light headed <u>5:00 - 6:00?</u> little effect of any.

I have read pages ..... to ..... in notebook and noted ..... of their contents. There are no blank pages, except All entries are in blue ballpoint pen.

Signed: ..... Date: .....

Signed: ..... Date: .....

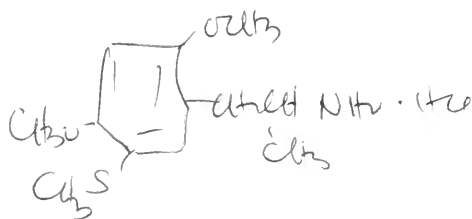


ORTHO DOT

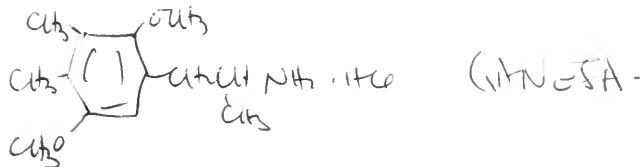
-	3/17/76	11:45 AM	ATS	0.1 mg	no effects.
-	3/20/76	10:30 AM	ATS	0.2 mg	n.e.
-	3/25/76	11:30 AM	ATS	0.4 mg	n.e.
-	4/10/76	11:00 AM	ATS	1.0 mg	n.e.
-	4/17/76	12:10 AM	ATS	1.6 mg	n.e.
-	4/21/76	10:40 AM	ATS	2.5 mg	n.e.
-	4/30/76	11:30 AM	ATS	4.0 mg	n.e.
-	5/10/76	12:20 (noon)	ATS	6.0 mg	n.e.
-	5/17/76	10:40 AM	ATS	16 mg	n.e.
±	8/20/76	2:45 PM	ATS	16 mg	(maybe was spaced 5-7 PM, maybe. Maybe not. n.e.)

← 4/1/76 0.8 mg 10 AM n.e.

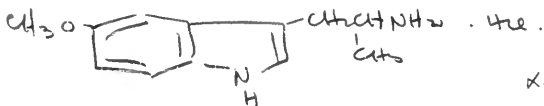
# METADOT



- 3/18/76 10:15 AM ATS 0.1 mg no effect.
  - 3/22/76 11:30 AM ATS 0.22 mg n.e.
  - 3/28/76 11:15 AM ATS 0.50 mg n.e.
  - 4/9/76 10:30 AM ATS 1.0 mg n.e.
  - 4/15/76 3:30 PM ATS 1.6 mg n.e.
  - 4/19/76 11:10 AM ATS 2.5 mg n.e.
  - 4/26/76 10:30 AM ATS 4.0 mg n.e.
  - 5/3/76 10:15 AM ATS 6.0 mg n.e.
  - 5/14/76 12:55 PM ATS 10. mg (new soln.) n.e.
  - 5/16/76 11:00 AM ATS 16 mg (weight) n.e.
  - ± 6/22/77 10:30 AM ATS 25 mg [1.18] extremely thin threshold? [5.00] still a little raw neurologically.
- Some sense-backs now and then. [3.00] are clear - at work, ±



- 4/6/76 2:00 PM ATS 0.1 mg w.e.
- 4/18/76 11:00 AM ATS 0.25 mg n.e.
- 4/22/76 10:15 AM ATS 0.5 mg n.e. (staring at ~ 3 PM?). n.e.
- 5/1/76 10:50 AM ATS 0.7 mg n.e.
- 5/6/76 11:00 AM ATS 1.0 mg n.e.
- 5/12/76 11:45 AM ATS 1.2 mg n.e.
- ± 6/11/76 8:30 AM ATS 1.6 mg possible threshold - dose taken unfortunately within an hour of breakfast 2:00-2:30 slight unworldly. still there at 4:00 effects?
- 6/27/76 10:25 AM ATS 2.0 mg probably n.e.
- 7/7/76 12:00 noon ATS 2.9 mg (eat lightly 12:45-1:15) - 4 PM sl. humid foggy? n.e.  
 (P.S. - unable to get to sleep that night until 3-4 AM - next day - several light-headed moments - take a re-orientation break of several days - 7/4/76 - see residues - n.e.).
- 7/22/76 12:00 noon ATS 4.0 mg - slightly harsh - brittle in afternoon. n.e. - no after effects in next day. n.e.
- ± 8/9/76 11:20 AM ATS 5.0 mg - some mild threshold 1:30-1:45? disaffirmated there was none. n.e.
- 10/2/76 11:30 AM 6.5 mg - afternoon "wig" - slight of any effects. n.e.
- ± 11/13/76 2:30 PM 8.0 mg - (turning slightly pink) - maybe some slight sturriness at 6:00-8:00 (V.H.V.) while practicing piano. maybe not. probably in effect. no difficulties sleeping - no next-day effects.
- 7/31/77 10:30 AM 14 mg - a surge of paraesthesia at 2:20 that was all - (-).



X-O Dimethyl serotonin

- May 4 1976 10:00 AM ATS 0.1 mg n.e.
- ± May 8 1976 4:25 PM ATS 0.2 mg something scary - ~8PM? no. n.e.
- May 11 1976 10:10 AM ATS 0.4 mg n.e.
- May 19 1976 10:40 AM ATS 0.7 mg n.e.
- + June 1 1976 10:15 AM ATS 1.0 mg threshold!!! First absent at 11:15 - 11:30  
a very light unworldliness - on through Lori's seminar in the old clinic bldg (12-2) with a completely spaced afternoon. Still odd at 3:00 PM [4:45] - quite bloated, little urination. In PM (10 PM) clearly out but a fragile frontal headache - still little urine.
- + June 13 1976 10:40 AM ATS 1.3 mg [11:00 - 11:20] (11:40) small stomach cramps, alternating ± slight light head. [3:00] nicely spaced - no questions - drift on through afternoon - water grabs - no profound things. no headache - urine seemed ok. Not as much effect as the 1.0 mg dose? This is quite long-lived.
- ± Aug. 7, 1976 11:15 AM ATS 1.3 mg - perhaps slightest threshold during afternoon. n.e.
- ± Aug 25 1976 1:00 PM ATS 2.0 mg - (2 hrs following my 5-outs DMT study) - (2:00) ej + 2,3 after stools - [2:30] believable something - almost like residue of 5-outs-DMT. [3:00 - 4:00] heavy describe - slight effect in sun.
- + Sept 1, 1976 11:00 AM ATS 2.3 mg - to verify threshold away from 5-outs DMT. [0:00] [1:25] - no questions - really tuning in [2:30] still no questions. - but what is to be seen [3:00] - through describe - clearly (mentally) an ASC waiting for some sensory, or perceptual, or conceptual event to occur [3:30] a little of the DMT yellow-filter. [5:30] clearing - in retrospect, I don't know what it was all about - it was as if I was in a state of preparedness (≅ a plate of skids open) waiting to provide contribution to whatever was to be introduced into it. But there was no inculum. I didn't contribute my share. Is this why DMT is so many things to so many people? A good argument for threshold being a better measure of drug potency than full dose. Had a slight fragile (hang-over-like) headache in next AM - gone by noon.
- +++ Sept 10, 1976 10:45 AM 3.0 mg Full active dose - see page 196 for details.

Studies continued on p. 252

Qualitative Description - TMA-2

12mg + 1mg = 13mg TMA-2 Sunday May 30, 1976: 11:40 = 0.00 - no ETOH for 5 months -

1.00 Onset of first threshold effects - slight nausea - probably coincidence - but numbness of 4-5<sup>th</sup> fingers of left hand (see 1<sup>st</sup> trip!). But these fingers have been troublesome (Rt hand too) and are often asleep on awaking in mornings -

3.00 Really pleasant, with native euphoria. Sat behind lab on steps in the sun. Now often I have been apprehensive in a drug usage that some emergency or other crisis might occur requiring some logical action, and wonder I be able to respond adequately - but I then realize that if a fire, strange person, insect - were to threaten - then, and only then, do I need to consider the situation - so - until then enjoy - I did.

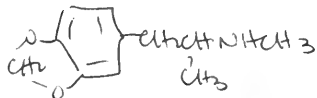
This was in especial contrast to yesterday's study on DMT - perhaps I was so attentive to the possibility of some falling-down-stored reserve, that I neglected to be receptive to a true altered state of consciousness - without perceptual change, without perturbations inherent, without the LSD impact or the DMT physical aspects.

I am completely convinced I would be able to handle 16 mg by myself and this as a full dose would quite accurately be 20 M.V. (with maximal at 500 mg base - say 320 mg = exactly 20 M.V.). However, I would not care to pretend to be responding normally to a demanding world.

5:20 Still with it. Tried to elicit visual distortion by going (1<sup>st</sup> time) into Cort plus inputs in W. Creek. No such induction. Did a rather bad job of driving however. Had to frequent distractions. To "All The Presidents Men" - with no clear visual distortion. I MUST REMEMBER - An ASC need not have visual distortion as a symptom!

8:00 Drove to Berkeley Farms for dinner c D & her mother. Still sad during which W. commented on (what is the matter with you?). I had forgotten where the place was! clearly emerging. on into evening without further events except a light sweetgum 10.00 - 12.00. Difficulty (mental disturbance) in going to sleep

This is a clear ASC process - perhaps valuable to describe (display) to a subject what this all is - without some annoyed sensory modality demanding attention by misbehaving. Intensely deep!!



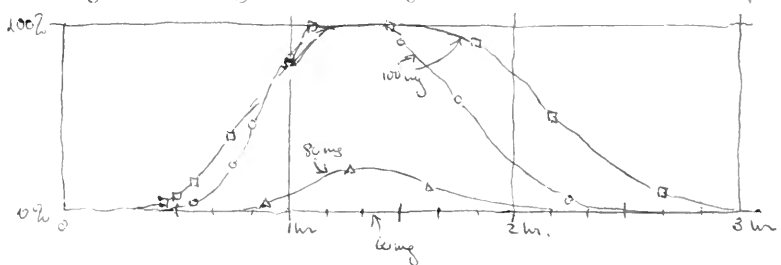
N-Me MDA - MDMA

~ 1975 Marty - reports considerable amphetamine like content.  
 ~ 2 other people, but ++ in shade of +. - one in + most with.  
 ~ 5/30/76 100mg Fredo (+2) Rapid onset in ~ 1 hr - lasts to 3 then drops off quickly - mydriasis persists to 4 hrs. Emotional experience and basically good reaction by all three. little detail.

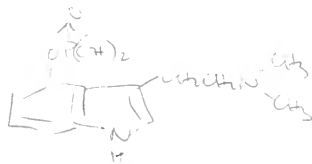
- 7/5/76 16mg ATS 11:30 AM n.e.
- 9/9/76 25mg ATS 7:20 PM n.e.
- 11/12/76 40mg ATS 2:35 PM n.e.
- 7/17/76 60mg ATS 12 noon n.e.
- 9/27/76 80mg ATS 10:22 AM [0:53] smooth

TMA - (345)		FLIP - on N-Methyls			
120 GA - n.e	240 skin +	2,5 MHA	245 MHA	246 MHA	MDA
		30mg n.e.	30mg n.e.	30mg n.e.?	15mg n.e
			120mg n.e		30mg n.e
					45mg n.e.
					60mg n.e.
					75mg fuzzy
					100mg cuties
					150mg cuties
		CB			75mg. fun curve.

shift into light intox. [1:16] distinct - almost early-  
 alcohol-like intox. [1:38] am I past peak -  
 coming down already? yes! [3:00] out.  
 → 10/15/76 100mg ATS [0:35] first awareness - smooth - very nice - I will be attentive  
 to sensory changes (there are none) - looking forward & interest. I can and do  
 quickly accommodate to this ASC [0:45] still developing - but I can easily  
 accommodate it as it comes under excellent control. [0:50] getting quite deep -  
 but I am keeping apace. [1:00] well into it - but I am accommodated - piano  
 went well - lots of time to search out correct notes - no mydriasis - no physical tox.  
 [1:30] from 100% → 50% starting to clear. [1:45] trial exit, eq. time - rapid  
 recovery [2:15] → 5% I am substantially out. 3:00 all out. I will try 125  
 → 10/23/76 100mg ATS (3:52 PM) [0:00] [0:27] first slight hint [0:30] start [0:35] note of  
 eyes - a bit of extra int. 15% - I might have said "I feel that drink". [0:45] at 40%  
 I don't think I am suppressing it - a real 40% [0:49] time slowed? [0:57] largely  
 windows (80%?) [1:00] a little delatation - [1:08] complete windows - complete control  
 worse the less [1:12] holding steady [1:25] Easy exit - no need (ability?) of exertion  
 [1:50] dropping? [2:00] down to 50% - see a run (6 PM!) extraordinarily pleasant - she  
 turned on tv! (this was my return day from Washington) (2:40) a few % left [3:00] out







Biloupsin

- 6/3/76 10:27 AM ATS 1.6 mg. n.e.
- I 2/8/76 11:55 AM ATS 3.0 mg clear threshold - noted at [0:30] - slight show tingling - I think there will be various events at somewhat higher doses - slow drop-off through afternoon - clear by [4:00]. Proceed with interest.
- ± 8/10/76 11:30 AM ATS 4.3 mg [0:30] effects coming on. tingles, yawning. [1:00] - [2:00] very much like being with people - Patti at bank - search out Jackie - she led gone south again - stacks of library cold - waste of time (got a lot done) - still aware at [3:00] but all clears up promptly. Proceed with interest.
- ++ 1/14/77 8:10 PM Jan 14. Friday 6.6 mg ATS [0:40] 1<sup>st</sup> amnesia - clear window effect. [1:00] eat full dinner - effects develop during the meal! Up to ~20% window some hints of amnesia faces in the fork-drops bones. No movement. [1:40] washing floors, but it wouldnt take much effort [2:00] drifting quickly - only the slightest effects left. [2:20] out [2:40] out. The forth-coming 10 mg experiment should be a delight. But allow 1/2 day free for it. I would be completely unable to distinguish this, at 6.6 mg, from MDMA at 50 mg.
- + 1/20/77 9:45 AM Jan 20 10.2 mg Sunday Post. ATS first DASH at [0:27] driving up 55 to clear a little window - not much more until [0:45] - coming on well. [1:00] comfortable in security of club library [1:45] - I can make the world move a little - but I can do that without drugs too. These little effects drift away ones next couple of hrs.
- ++ 1/21/77 10:30 AM 10 mg DAVE effects unnumbered at just [0:30] (felt before) - overall ≈ 80% of the 300 mg mesaline effect. - concurrent c my <sup>4</sup>C mescaline #1.
- +++ 4/27/77 8:30 AM 15 mg [0:00] [0:10] 1<sup>st</sup> notice. "early warning" system - I stay flat at this first level to about [0:25] - then it builds up. [0:27] I am awfully glad I have MDMA window knowledge - what is happening here to me, appears to be what others get on MDMA. [0:28] visual distortion - I can't find the cap to the pen - must I keep writing forever? At this point I couldn't draw - I couldn't even write! [0:30] - [0:57] wild development. Swimmer in office moves up & down [1:00] he down c eyes closed - This is where it is. eyes closed → all wild imaging - still c eyes open if there is no visual input. a dark room or a fire in the fireplace in the middle of the night c no other input would be dramatic. eyes closed → body image in front of face, and I can synthesize 2x removed & complete hallucination [1:45] try again. already passed the peak in good. [2:00] to wash - this is a high-time drug - some involvement, but daylight washes everything out. Wasson got it the proper way. [3:00] pretty much out = muscles OK - timing OK. would I try a new experiment, say c LSD - OK but c reservations - [4:00] completely frank. no reservations. I had peaked within the 1<sup>st</sup> hour - and was definitely on my way down in the 2<sup>nd</sup> hr. The experiment above, at 1/21/77 - may have been unfair to Dave probably distorted his timing terribly.

28-77 interaction xft. 10/5 mg  
- night control forms -

Qualitative effects of TMA-6. (ex page 15c)

June 15, 1976 - 16 mg TMA-6 - 3:00 PM 2 hrs. P.P. time 0.00 1.30 maybe something.

2.00 still uncertain - something developing?

2.30 color interpretation wilds - orange = sign - Red may be birth (blood, sunrise) - but orange precedes red - methoxybenzoates → amide/bamides, brilliant chemicals in lab - outside world all blues and greens - blue - but already born (and certainly already long eye involved) - and the earth browns and such are almost dead already. 3.30 - sit behind lab - most pleasant mental wanderings - into birds & cat-like in wretched sun so that leaf-shadow in wind flicks eyes - eyes-closed glances - stream of light - color patterns weak. 4.30 eat dinner - just fruit salad - but - not an orange! (luckily I didn't think of the Spanish translation of 'AC. (a) = orange. 5.30 lum and cone - just lightly stoned and washed I had paid more attention to the earlier effects - it is sleeping. 6.00-7.00 praeser (pau) vigorously - pretty much gone. 7.20 still a little backy.

Freddo's notes from  
Ms' files. 1966-67.

11.7 mg  
1/4 tablet (1/2 gram) TMA-6 + 3 pm - 1976  
at the (work?)

1/4 tablet (1/2 gram) TMA-6 + 3 pm - 1976  
at the (work?)  
The effect of TMA-6 was very noticeable by the time

1/4 mg 1 tablet 5 pm

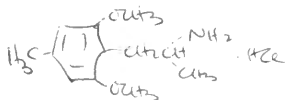
1/4 mg 1 tablet 5 pm  
The effect of TMA-6 was very noticeable by the time  
it reached the peak of its activity. The effect was very noticeable by the time it reached the peak of its activity.

... (faded text) ...  
... (faded text) ...  
... (faded text) ...  
... (faded text) ...  
... (faded text) ...  
... (faded text) ...  
... (faded text) ...  
... (faded text) ...  
... (faded text) ...  
... (faded text) ...

26.0 mg - <sup>67?</sup> 7:30 pm - 8:00 pm (4 hrs) 2 in presence of ...  
... (faded text) ...

3 TMA-G cont

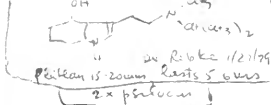
26.0 mg - Emotional effort strong. Dance class 8-9:30; initially awkward,  
balance, etc, but as I warmed up had no difficulty; felt very  
free and expressive. Some lower bowel cramps before and after  
dance class, none during; <sup>felt need</sup> ~~compulsion~~ to defecate, could not, but  
release of some gas relieved this sometimes. Dinner at 7:45, clear  
effects were under way, was very hungry and ate well (whereas  
mescaline suppresses appetite). Went to sleep early at 12:30 pm.  
From 8 to 11 pm had some brilliant but not too well-structured  
eyes-closed images, jewels, lights, silver + gold. Equivalent to  
250-300 mg mescaline, 35 mg LSD.



Z-7 ??

(see page 166 for BU comments).

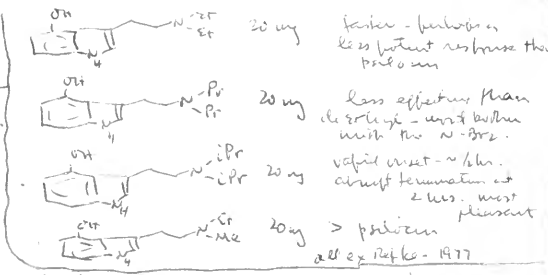
- 7/6/76 11:35 AM ATS 1.1 mg no effect.
- 7/10/76 11:20 AM ATS 1.5 mg [1.00] eat lt. lunch [2.20] couple of lt-headed bumps. n.e.
- 7/14/76 11:00 AM ATS 2.0 mg n.e.
- 7/20/76 11:15 AM ATS 3.0 mg [1.15] eat [4.00] - some odd awareness? - motion in or around xerox machine? - certainly nothing at [10.00] - n.e.
- 8/4/76 1:25 PM ATS 4.0 mg [1.00] eyes unfocus? slight yawn - curious to go on by [2.00] nothing. n.e.
- ± 3/15/76 12:00 noon ATS 5.5 mg [3.00-4.00] maybe slight muscular irritability - nothing central at all. [5.00] slight teeth wobbly, unwarmer? [7.00] - nothing. I imagined it all n.e.
- + or ± 8/29/76 11:15 AM [0.00] ATS 7.0 mg [0.55] twinge in skin [2.30] more or less continuous threshold (2) - speculate what 2-dose would have done! [3.15] sound disturbed and generalized psychomotor signs - parasthesia - a nice apprehension. [5.00-6.00] things might still crawl! [7.15] I could kill myself that the hyperactive legs were crawling. It is now midnight [12.00] and I am unsure that I am yet out of threshold. - go up with interest, but prepare for a long day. n.e.? possibly threshold? , probably threshold!
- 9/6/76 10:30 AM [0.00] ATS 8.0 mg [2.15] went gentle y threshold - that all [4:30] same [8.30] gone.
- ± 9/14/76 10:55 AM ATS 10 mg (50:50 dextro) - maybe light light-headed threshold. n.e.
- + 10/27/76 10:00 AM ATS 14 mg. [0.00] [1.30] a little spacy. [1.45] to lunch - I am in a threshold - talk volubly & fill all afternoon - real threshold to [6:00] able to drive home (photophobia from eye infection) - I can easily go from one train of thought into the air - I must, to get to answer, literally force myself to choose my words - I ~~would~~ would have liked to have been alone on the farm. evening french lesson excellent [9.00-12.00]. The threshold lasted from [1.45] to about [8:00]. No trace of MDMA window!! This is an interpretive drug; not an ASC window! I must repeat and compare directly against recent STP, DOET. There might have been "unusual" effects even at 7 mg.
- ± 3/18/77 10 mg 4:33 PM [0.00] [2.00] suppressing something? all afternoon - some jaw tight? only status 1: PM - at [2.00] - still a little foggy-eyed! - but no trouble sleeping.



N<sup>+</sup> 10 25ug - 3hrs -  
sudden up - 3hr plateau,  
underlying recovery - in  
daylight = ASD. (T.R.)

β-alkyl tryptamines

Acid: BG - late 1972.



active at 2 mg (?) smoked.

active at < 10 mg smoked, pleasant

active at (?) 5mg ORALLY.  
see 46

other notes - 417

Chronology on 5-methoxy-N,N-disopropyltryptamine. See page 176

+++ ATB - Sept 1975 - 6.0mg at 9:30 AM = [Ox] distinct (and unpleasant) taste.

[0:16] maybe some muscle ataxia?

[0:20] real effects - so soon! - most pleasant

[0:25] really describes Ford & Fun (Fund?) ravers - and that's the news! E.g. L-wild.

[0:42] excessively strange - can't put name to it - wife garden - pull weeds with  
great significance to each weed - MS-cat joins me - understands - back to lab

[1:15] at lab - the radio goes on - profound → fund → fun → profun, profane, return

[1:30] I have found the name of the actin - LSD! - there goes my no-act  
Mentire - maybe another alkyl chain on the N. Out for mail -  
weird people at entrance - car has stereo going with Sitar music?? - it  
sounds that way - tempted to go on around up hill, but scared of highway  
it's a long long way from parking spot to mail box.

[1:55] back to lab. - time experiment (try to show clock → success & radio  
pitch drops as well. Ineffective on trip in radio. Clock 2<sup>nd</sup> time OK.

[2:00] E.g. 2 - ok - rapturously enjoying the state - would hate to have to  
attend to anything serious or logical.

[2:40] time moves quite properly now

[2:45] rapidly coming out - and all is OK. It is only 12:15 - quite a  
morning. All that within 3 hrs! +++

+ ATB Nov 5, 1976 4.0mg at 1:00 PM = [0:00] to check threshold. [0:35] st. aware - never  
was than threshold [2:00] clear +++

continued p 218

+++ 0  
++ 0  
+ 0 0 0  
± 0  
- 0

29 June 1970

3<sup>30</sup> pm 5mg R44h

5<sup>30</sup> - felt happy smiling, slight stimulation.

11<sup>30</sup> - Some how felt more spontaneous - did things instead of just thinking about doing it. What I did was ~~me~~ - but somehow more me.

Others in family agreed - I was less inhibited, less crabby.

4 days later - It lasted about two days - then back to nervous cranky self.

It seemed like a beautiful drug with all the peaceful, calming effects of NSA - but at no time did I ever feel high or stoned.

3 July 70

9:30 AM 8mg R44h

12:30 PM Strange state - introspective, hyper-emotional when reading & listening to music

1-4 pm - 3 hr nap

after - some sort of calmness

4 July - " " "

5 July - Very depressed ( & waking back there seemed to be a depression 2 days after 1<sup>st</sup> dose

6 " - still depressed

7 " - slightly "

8 " - OK?

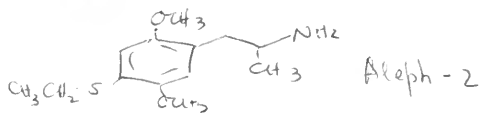
9 " - OK - Today is 1<sup>st</sup> day I've really felt together & able to work.

9 July

All in all - very interesting - but I don't think I'd do it again for awhile. - along while.

The main effects seemed to last 2 days - a calmness & peace. I could handle it all without being upset - no getting so short temper. The two days are not all quite at the same level - there is a greater stimulation for first 6-10 hrs. Altogether - Very nice

But - there did seem to be a severe depression - esp. after the second dose. I know it's very hard to separate out causes - & I am <sup>concerned</sup> ~~upset~~ about my work etc - but I do feel the drug greatly intensified the depressed feelings - There would not have been a true depression without it. Partly it could be that I've taken a fair amount of amphetamine & vitalin - I've noticed the rebound depression (incl. ~~for~~ actual pain) ~~has~~ from them has gotten worse lately - so maybe it would not be a problem in a one time use.



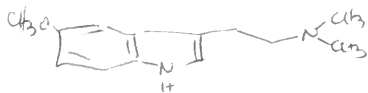
- 2/14/76 11:15 AM ATS 0.1 mg no effects.
- 5/23/76 10:00 AM ATS 0.3 mg no effects.
- 5/28/76 11:00 AM ATS 0.6 mg no effects.
- 7/2/76 11:20 AM ATS 1.0 mg no effects.
- ± 9/22/76 4:45 PM ATS 1.0 mg - at [1.30] maybe effects, at [2.30] there is some sort of threshold (in French class) - not disruptive but noticeable - to bed although completely alert (at [7.00]) - no sleep but at the time began self-images for 3 more hours. Some sleep eventually. Next day OK - next night sound sleep. Threshold?
- + 10/31/76 10 AM. ATS 2.0 mg - first hints at [1.20] - very subtle - no minkers - all afternoon lunch [2.00], drive to library at Berkeley [3.00], even into recital at club [6.00] an unworldlyness - color effects at the edges - people looked strange - (1<sup>st</sup> time in months, I am reminded of mesocaine. True threshold of a subtle drug.
- + 11/6/76 11:20 AM. ATS - 3.0 mg. [0.00] - [1.10] first possible effect - lunch - not too hungry. [2.00] still sunny threshold [2.20] awakes - movement of rug? colors in towel? [4.00] each parasthesia - I am under the interesting cloud of some drug effect, but at a very mild level - Things will happen at the next dose level Jan 200.
- 11/21/76 9:45 AM ATS. 5.0 mg completely effective level. See page 205

see also now continued on 205

### Additional data on 5-OCH<sub>3</sub> DMT

- (3 mg) March 15, 1977 - ATS, Dave, Edward set within a minute, except for Edward quite a bit longer. Spectrum of Dave & ATS similar, and similar to p 195 notes. Edward - eyes - closed experiences of the inner space + Calif beach at same time - convincing demonstration of 2 separate levels of existence - After 10 min, second experiment = to 1st. Surprising effect in bar for ~ 20 min - into restaurant - unwilling to go ahead alone - and no before-dinner drink. No residue.
- (10 mg) April 1, 1977 - ATS - as much as possible taken from a 20 mg cigarette - effects before 1 min - new at ~ 2-3 min - drop nearly out but not completely, 'big 6 min. - strictly stony - an ASC with no sunny or interpretive overtones.
- (10 mg) Feb 11, 1978 - ATS consumption of 20 mg in three consecutive administrations (from a 20 mg Translucor cigarette. Stood within a minute - largely recovered within a couple of more minutes. In the urine < 20 minutes.
- 1 mg in PBSO - left brief 7/24/78 11:50 PM - n.2.





5-OH-DMT, DMT.

August 25 1976. Consumed 3 cigarettes - hand rolled on Taraxacum vulgare.  
 One at 10 mg (base) scored at 1 mg units, two at 20 mg base, scored at 5 mg  
 units. D urine heat lamp to melt base, then tightly rolled. All assays  
 by inhalation.

- (1.0 mg) some slight pulse ↑ - otherwise n.e.
- (2.0 mg) 10 seconds following, quite aware [0:00:25] more aware yet and  
 moving to (0.02) - uncharacteristic intensity of CVS attention, - urge to  
 rapid movement - no pulse change - no pulse - little eye dilation  
 (0:02:5) slacker - (0:05) out.
- (2.0 mg) absorb (0:00 - 0:00.5) real at (0:01) - slight shakes - little if any  
 mydriasis. out at (0:03)
- (3 mg (+2)) absorb (0:00 - 0:00.5) - on before (0:01) - quite intense at  
 (0:02), slacker by (0:03) - at (0:04) reinforce +2 mg which is  
 noticeable in another minute. slacker at (0:07) clear the body  
 for an hour before continuing.
- (6 mg) absorbs (0:00 - 0:00.5) effects noted before (0:01)  
 (0:01:15) stoned - not really light head, but head feels close to the lower  
 parts of the body - close to ground - knees weak - distinct shakes.  
 (0:02 - 0:02:20) peak effect - quite intense - not quite the max of DMT  
 at 30 mg and no sensory close-out -  
 (0:03) peaked - am sliding back  
 (0:04) quite nauseated - glad I hadn't eaten (4 hrs)  
 (0:05) clearing quickly - not as evenly defined as DMT  
 (0:07) 90% out - fast recovery  
 (0:09) completely clear. perhaps a slight residual mydriasis.

Overall comparison to DMT. more potent (6 mg ≈ 30 mg?)  
 slightly faster (2-2.5 min max, out at ~7  
 vs.

3 min max, out at ~10 min

← This drug, as largely with DMT - is a simple, stoning, dry -  
 with no sensory contribution, no intellectual contribution.  
 perhaps desirable for providing a subject the vocabulary  
 of ASC, so that with interesting and constructive drugs, these  
 effects will be familiar and thus not distracting.

Subjective effects  
of



x.0 DMS.

(cross ref p184)

September 10, 1976 10:45 AM {0:00} 30 mg in water.

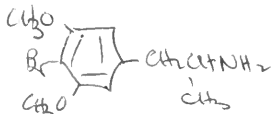
- [0:45] warm flushing - nausea - oh I wish the physical would be done with.
- [1:00] some dilation - I am uncertain if there are some CVS, or just fighting nausea.
- [1:15] active vomiting (mild) releases nausea - and there are virtually no symptoms.
- [2:00] building into wild ASC (ejeret) eyes closed - roly clouds and strangely interpreted imagery - trying eating apple - not sure of stomach stability
- [2:45] into zombie period - walk is a bit Frankensteinish - piano keys unreal - type-written keys unreal - music & text that comes out has little bearing on ~~my~~ my intention. The most fun was writing with the power off - in inhibitions - no record - tried a bit  $\bar{c}$  power on - this came out.

what an aliel keyboard - what will it produce?

anilan alina anein alein alean ailean  
alian alien wow wowowowowow

- [3:15] Lion's face (m. char) - many things - cheeks become boxing gloves - mouth talks but no words are evident. entertaining - but not profound.
- [3:45] So much mileage from just 3 mg of  $CH_2NO$ . - Obviously it is my own energy pool that has been tapped.
- [3:50] Old friend diarrhoea again - modest - just symbolic. All through the last 2 hrs - in addition to the interpretive changes, there were mild visual distortions - things tended to flow - not bothersome - but I know I couldn't drive a car. There was a marvelous chemical gestalt - reasoning from o-hydroxy benzylalcohol  $R\bar{c}CO^+$   $\rightarrow$  benzyl cyanide, why not dehydrate to  $(\bar{C})-C\equiv C-OH$ , then reduction 1,6  $\rightarrow$  p-OH allylbenzene and 1,8  $\rightarrow$  p-OH propylbenzene - then - if reduction goes from methoxy group, a compound such as normetanephrin would  $\rightarrow$  2-carbon MDA (p-OH reduced off at expense of epinephol becoming a methylendioxy. Phoned Jill... he was cursed.
- [4:35] Quickly wending
- [5:00] I could drive to Lafayette now without trouble - visually things still wove but the physical zombie is not there anymore. I can ignore the crawling.
- [10:00] still some dilation, teeth are rubbery, hypoxia. There is still some body poisoning present.
- [12:00] attempt sleep - not too satisfactory - restless - strange mental interjections.
- [24:00] (next AM) clear - no residues.

This is probably the most potent indolic psychedelic yet uncovered, at least via oral route. Any higher dose would require baby-sitting.



9/15/76 10:37 AM ATS 0.5 mg. Circulation 1 was a little hyperactive in afternoon (2-5) and I was certainly a bit more, & very much entertained. Probably no effect.

9/18/76 11:00 AM ATS 1.0 mg. no effects whatsoever. n.e.

9/21/76 10:40 AM ATS 1.6 mg tingle? [1:40] - n.e.

9/25/76 10:45 AM ATS 2.2 mg funny? [2:30] - n.e.

9/29/76 10:00 AM ATS 3.0 mg [2:30] fleeting light-headed - 5 sec!  
[3:30] slight power game. tingle? n.e.?

10/3/76 11:00 AM ATS 4.0 mg - all through afternoon, I could believe a shallow threshold - tooth-rubby - some intentional parasthesia <sup>even into evening</sup> & no sleeping problems. but. n.e.

10/6/76 11:00 AM ATS 6.0 mg - a most a shallow threshold - no more. Conceivable chemical non-specific tolerance? yesterday 10/5/76 - 100% of MDMA - but that was completely repaired at 1:00 in PM. I cannot confirm CV ?? - n.e.

p.s. attempt sleep at 12:00 - mild difficulty - then restful.

11/2/76 8:50 AM. 10.0 mg ATS. [1:20] into some threshold

but none of the MDMA-type window [2:30] - I've had it - morphine! [3:00] complete central analgesia -

experiment - with sterile needle - pierce skin

punch on left arm - little bother except for

the needle emergency (skin resistance) -

little bleeding. Multiple pin-pricks on skin over thumb abductor - no

feeling. Cup of boiling water elicited shock response reflex, but once

that was over with, no pain - intellectual awareness of blistering keeps

me from silly experiments. I feel lucky that my judgement is OK to keep

from getting in to self-harm trouble [4:00] perhaps some repair [5:00] still

not complete. [10:00] Dinner in city. Jill. - some tooth-rubby - so there are

still some physical effects. [12:00] burning irritation at the pin-prick area - so

~~feeling~~ feeling is back. Obviously long lasting analgesia. No sleep problems

at [15:00].

letter cv Aug 25, 1976

4-Br-3,5-dimethoxyamphetamine

clearly detectable 1-2 mg  
threshold maybe lower?

4-OPr-3,5-dimethoxyamphetamine

11 mg oral  $\cong$  75-100 mg mesocaine

15 mg oral  $\cong$  200 mg mesocaine

4-Br-3,5-dimethoxyamphetamine

letter cv Sept 17 1976

4-OPr-3,5-dimethoxyamphetamine ?

active at 10 mg

4-OBu-3,5-dimethoxyamphetamine ?

is not active at 10 mg

<sup>was the phenethyl variant</sup> yesterday 10/5/76 - 100%

letter cv Oct 26, 1976

4-Br-3,5-dimethoxyamphetamine

3-mg  $\neq$  placebo. at 2 hr analgesia

in arthritis - barely perceptible

sensory effects:  $\cong$  7-8 mg <sup>para.</sup> DOT



hydroxy DCP

9/19/76	3:50 PM	ATS	0.05 mg	n.e.
10/7/76	10:30 AM	ATS	0.10 mg	n.e.
12/25/76	10:40 AM	ATS	0.20 mg	n.e.

100-90 Sigma  
NH<sub>2</sub>  
Ca<sub>2</sub>  
Lipinyl 200

n.c.  
n.c.  
n.c.

1  
1/M.D. (Human) 0.1

MURFALINE

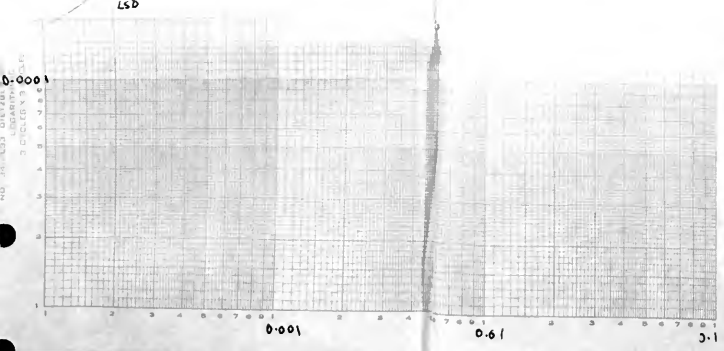
○ TMA  
○ MDMA  
○ DMMDA  
○ Pico  
○ MDMA-L

○ DoM (Lia)

10  
50% RD (rabbit) mg/Kg

0.001

○  
LSD



Additional Detail on PARADOT.  
additional trials

from page 178

+ 10/3/76 9:30 AM ATS 7.0mg. much more moderate than 5mg 7/2/76. ~[1:30] clear effects - "conceptual drive" was completely embolled (thus almost unscrupulous and directed towards drafting ideas for the NIDA paper - it lasted [1:50] to [2:50] - [3:40] I am under control, could drive a car - but the effects are still there. Clear at [5:30] (3 PM).

+++ 10/12/76 10:10 AM ATS 10 mg. (c.00)

[1:00] ~~coming in~~ a gentle unworldebliness - go to mail

[1:15] coming in very strongly - and nicely.

[1:20] slight slakes - otherwise bodily OK - like narc. in visual, except no color.

[01:30] a very rapid shift in frame of reference - I was barely able to keep up and consolidate - now OK - can continue to read the mail.

[1:40] blatto? [3:00] drooping? - no patience to lie back & watch (inked) clouds.

[3:30] still too stupid to weight Kate's cocaine storm.

[4:00] there is noway Gray is going to tell us this wasn't an active compound.

[4:30] last 1/2 hr lots of phone calls. AGI, Sunny, Greg. - things still crowd a bit - I cannot physically organize the lab, or cope w' it, but professionally I am in good strength.

[4:35] ventegrating quite well - will be OK for Berkeley, theater, dinner tonight.

[4:50] still not together as of the moment - not integrating very quickly.

[5:10] going fine now - I am bringing the humanness and beauty into it and I am stronger for it. Thank you.

[6:00] Complete, and none too soon - shower - call KATP, c's form info. to town.

distorted - these 16 hrs

[2:10] [2:25] eyes closed perceptualizations - illustrated concepts - really beautiful - if the last leaf had to go, where should I be this evening when everyone else is at The Theater.

[2:30] behind lab - cat (pretty baby) eyes - me to her - concept of totality - the gopher - the apple - through the N.C. & the K.V. review. I am at the max. Lets do something with it.

I have read pages ..... to .....  
notebook and understand their con-  
There are no blank pages, except -  
All entries are in the handwriting

Signed: ..... Date: .....

Signed: ..... Date: .....

Dose MU

LSD 1 mg/kg -3000

1000

5

10 mg/kg

300

ABAM 9

100

5

100 mg/kg

30

Psil

10

500

1 mg/kg

3

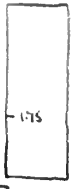
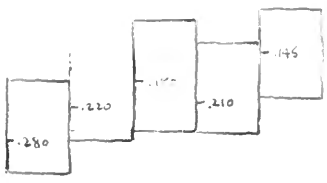
Mesc

1

5

10 mg/kg

MES	TMA	AGM	MMDA	MESA	DMMDA	TMA-2	MMDA-2	MMDA 3a	MEM	NPM (A)
1	2-2	<1-3	2-7	<2	13	17	21	18	26	220







$1 \rightarrow 1.6$

low  
levels

$1 \rightarrow 1.25 \rightarrow 1.6 \rightarrow 2$

high  
levels



pp 1-200