

Saturday Oct 6th. 1928
Saturday Left. New York.

Traveled. all day on train
Sunday Oct 7th.

On train

Monday 7 AM Oct. 8th
arrived Key West. To Hotel Tovar 1.00
Called Carrall on Phone.
Taxied out to field _____ 1.00

Looked over and noted Section guides
arrangement also plane installation
Monday evening purchased parts to
duplicate construction of transmitter
to be used for Lorki plane.

Tuesday: Oct. 9.

Spent morning Building plane trans.
finished same about 2 P.M. all
But soldering.

Wednesday. Oct 10
Went out field finished transmitter
took several Bearings on ship
enroute Havana. Read over
general procedure instructions

for D.J. signaling
Checked out of Hotel La Chonca
Bought ticket for Ymerai
Arrived Left Key West 6.30
Arrived Ymerai 10.45.

Proposed Hotel. Robert Clay.
Oct. 11. -

Reported Mr. Johnston.
Was greatly surprised to find Capt
Schulbeck in charge of construction
also Gilhouse his right hand
man. These gentlemen were in the
same capacity during my 5 year
pioneering air mail activities in Blasius
Trail to Pisco.

Looking over situation's decision was
made to rent a vacant house very
close to field for \$30 a month
Also met Mr. Bourne of T.R.T. who
informed me of Reaver in his
station and transmitter in station
Belonging to R.C.A. Left By Mr. Sudeutz.

Wednesday Oct 7.

Took Suskrisky up for trip. -

120 foot of Antenna out. 40 millamps

Unheard. But set is working fine &
from all indications - wish
test had been of longer duration
and included the men at the
receiving end not up to snuff.

I am satisfied all is O.K. with set
perhaps a little off wave.

Started construction of regular set.
600 + 132 meter set. Chubb & I will
incorporate phone also.

I love you Dr. That is all there
is & it.

Oct 8 Thursday

Worked on my loop all morning
to find out just what the
pick up is in the
going to make a
6 foot loop on
on out side building

Planning the construction
of 600-137 on
Nassimette start putting
together

~~Oct 9 - Friday~~
Dec 30. as cloths.

Worked on loop in Mary
Recd G.R. variable instruction
from H. G.

Constructing Haskins set.
Believe I will try and
incorporate telephone
work in it.

Cut out fine tonight
and am happy because
I like her to the point
of loving her.

Oct 12.

Checked out of Henry Robert Clay and
signed out near hotel near field —
at 30 a month with out board. —

Truck out.

2.50

Truck storage.

.30

Visited J.R.T. Station looked over
Receives. all OK.

Oct 13 th.

Walked 1 mile to field to meet Pan American
Truck. only to learn that the mail
train was late. Thus almost an entire
morning lost; I am greatly hampered
by lack of transportation, obtained
a lift into Miami by one of the
Contractors. Met Truck 1.30 and
had 3 Tables two stools loaded
and sent out to field again
caused to wait until 2.30
Pm for a lift out by my
very good friend Capt Whitbeck
I would be sunk if it were

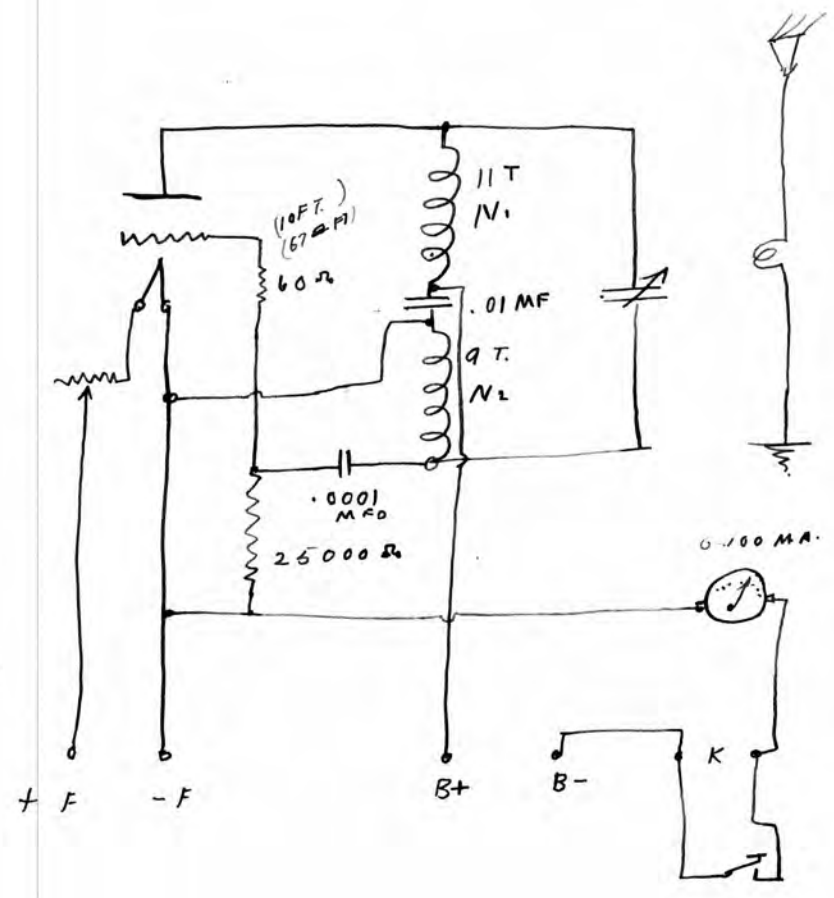
not for his valuable aid
he has complete charge of all
construction operations and
rented the house for one

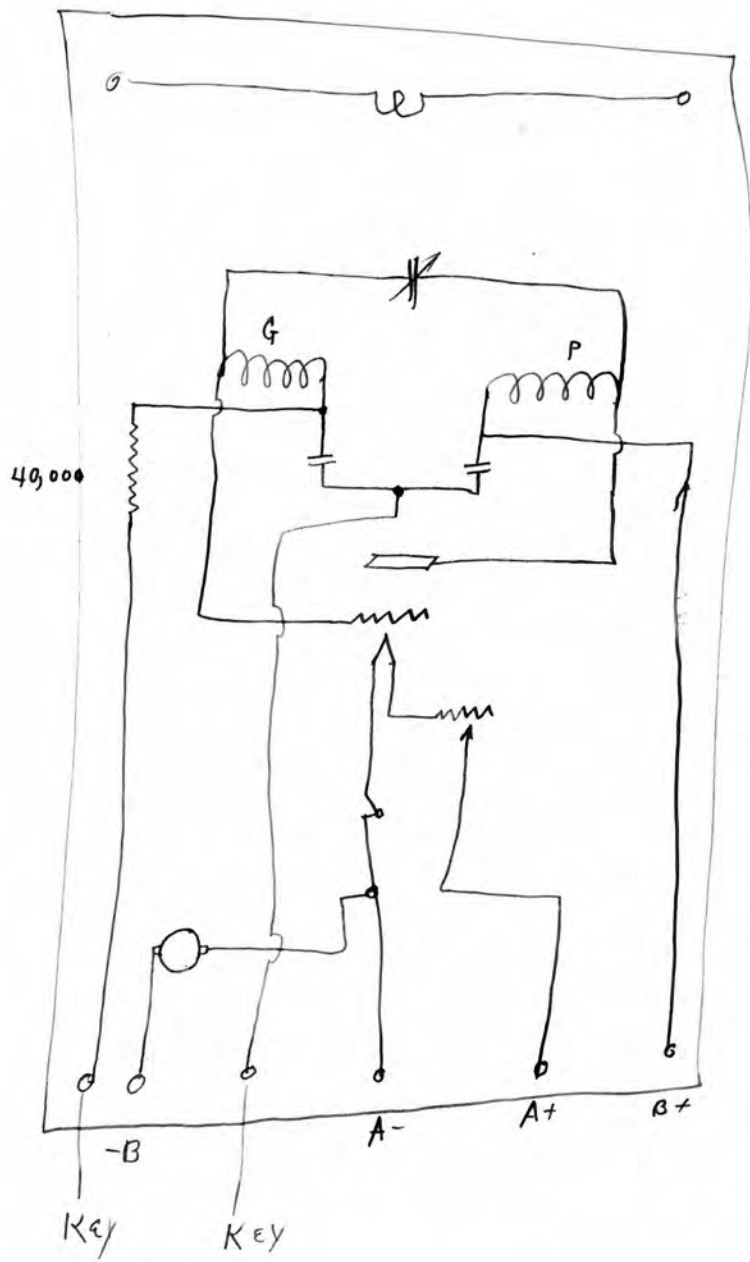
arriving at the field about
3 PM Had tables and other
things placed in house.

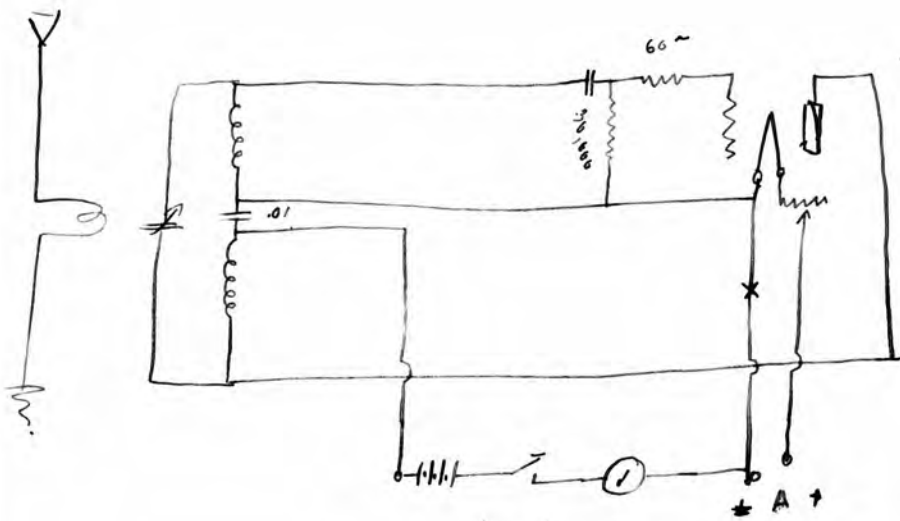
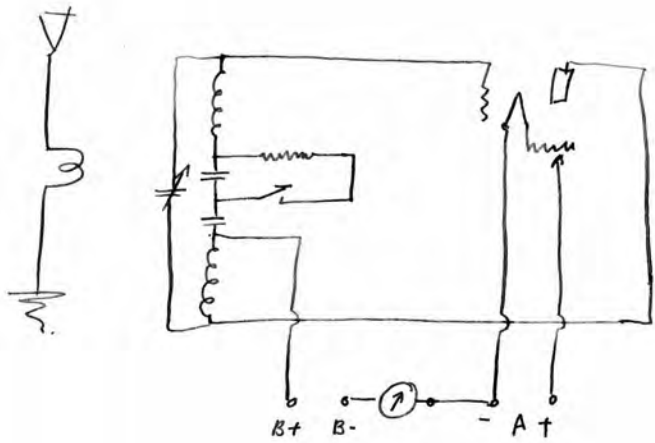
Here is Saturday and N.Y.C.
waiting a letter of activities and
not a stenog or typewriter in
sight. Will telegraph Monday
manage to get a lift into
town and hunt up a public
stenog and get a letter off.

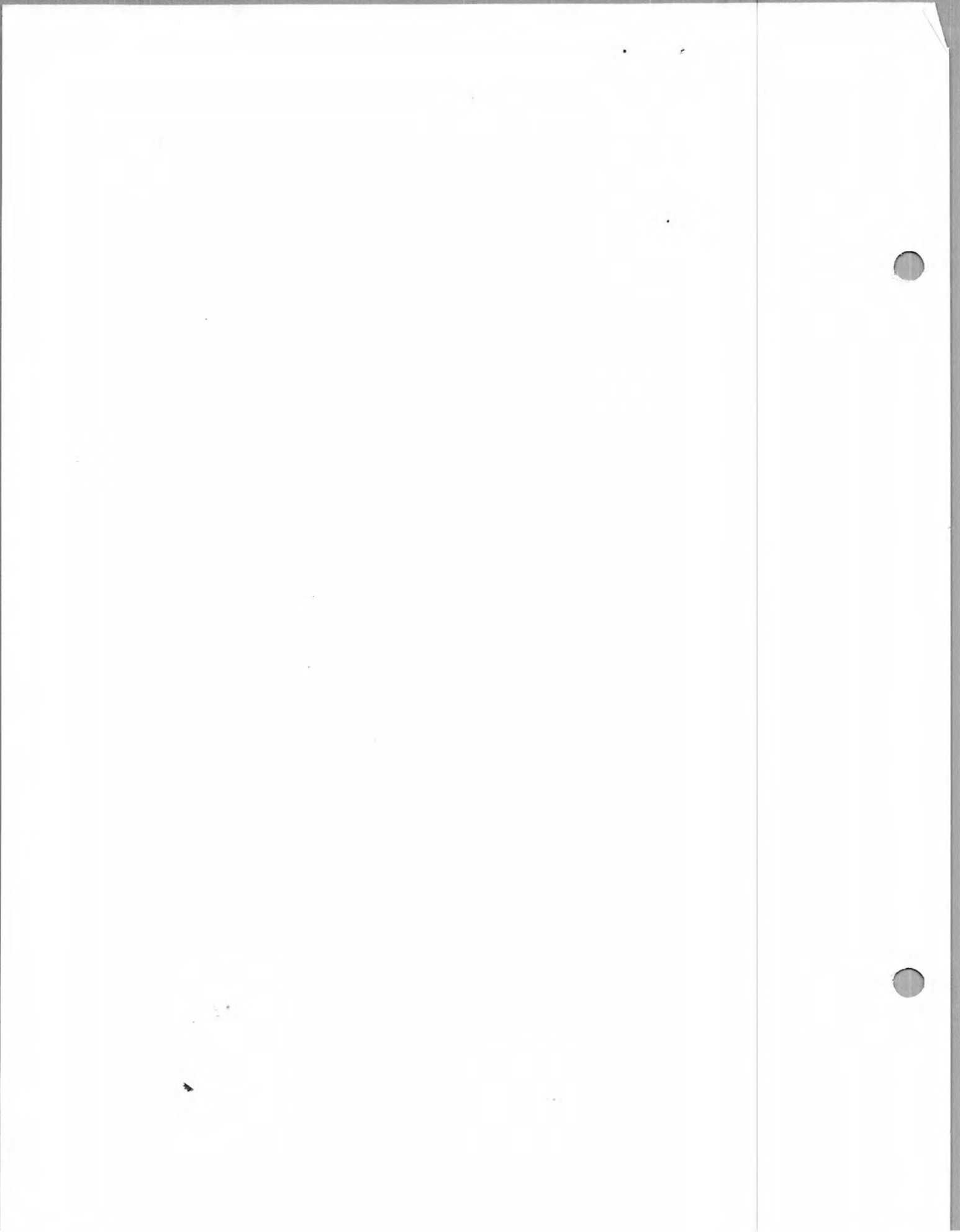
No word from N.Y. as yet
or any equipment either.

$$\frac{N_1}{N_2} = \frac{11}{9}$$









Oct 14th Sunday.

Spent the day close to the
Hotel for lack of transportation
makes me handicapped. About
2 Pm walked 1 mile to the
Bengalor and figured out
how to mount the loop of
the D. S. without marring
the property came back
was caught in the rain
spent the evening reading
up on Hartley Ekt's etc
pertaining to the work
at hand. It is foolish
to try and carry Radio dope
in One's head. have it on
hand where you can
dig out the particular
subject then go to it.

Oct 15th.

Walked over to field managed
to get left with town. Met
Miss Deuman. Whitebecker store
rode her in also.

Found a public storage
and got meekly report off
also Expense acct + Requisite
purchased some small
parts a saw etc. had
my glasses fixed. \$6.00.

Returned to field walked
mile from Bus stop. got
lumber. and by 5 Pm had
loop erection well under
way. Recd telegram from
Ruggold saying Radiolar
of FAX was one to be
used will get same tomorrow
with truck.

Oct 16 Tuesday

Accomplished quite a bit of work today. even though spent half of it getting lifts in Pan American Cars.

Finished mounting Loop, laid tin on floor for ground plate
Fetched Radola 28 from Mr. Baum & T. R. T. - Connected up, bought protractor on paper for loop calibration, 5 Pm finds the loop & receiver all ready for calibration.

Cannot locate the equipment sent from Jay Oct 8th. will start hunting for it tomorrow the little Bengaluru is beginning to look like a radio station

It wont be long now.

Oct. 17th.

Lost half a day riding in to Miami, and getting out again it is a wonder I manage to accomplish what I do.

Purchased 5 Dry Cells, two "B" Batts
4 insulators, .01 Condenser.

Dropped in at Pan American office. Hurak two cases arrived tomorrow and report to H. Y.

Rigged up Transmitter it oscillates beautifully on 132 meters and drops down to 40~ just reaches 132 meters. condenser Min L for steadiness.

Also got ^a map of Caribbean. Start calibrating tomorrow. Also will erect antenna.

got letter from Lu. tent about lack of reception on Beacon Receiver. Mr. Nobby reception will investigate what reason is.

Oct. 18.

At the station 8.30 A.M.

Lost time again waiting for
Pan Am. truck to haul two
cases out from town.

Located two 10 foot sections $\frac{3}{4}$ pipe
and erected antenna mast.

also completed antenna itself
100 foot long about 20 feet high
from chimney of house to mast.
running N & S. Lead in S end. This
is air separation of ground wire.
which the Pan Am. people want.

Antenna Pole, Pecans, Key, Fair
way and weights arrived all OK.

After antenna completed. tried
out transmitter for Sorskey ship
using same as oscillator mounted
with its Batteries in a box
the loop and Radiola 28

showed up very poorly.
will have to investigate Sops
and 28 for trouble it
picks up oscillator from
up to about 25 feet

But falls off Bad. after
probably tubes. Brode Verrier
shot on 28.

Went into town with
Bourne T.R.T. sent telegram
n.y. night letter.

The ~~Atter~~ Sekowsky ship
in But going Nassau tom-
orrow. Wish I had it
equipped as if anything should
happen. I will get fury
for not having radio

Well I am doing best
I can and that is
certainty plenty hope
I get a paycheck
soon

G. N.

Oct 19 Friday 1928.

Spent all morning overhauling
Raderla 28 removed same from cabinet
checked all connections cleaned jacks
rheostats and "pot" replaced everything
and removed annoying scratching
don't know just what it was
but anyway caught it in the
general overhaul. set working quiet.

Got Beacon receiver out and
had to remove front to disengage
condenser mechanism which was
stuck preventing dial from turning by
means of reverse knot.

Made some tests on loop calibrator
But am at a loss the loop
Maximum & Minimum are not
pointing at oscillator which I
placed in the field. More
on this tomorrow. Must
make speed on this work.
greatly slowed down for
transportation.

Hope to test with Key West
Sunday A.M.

Oct. 20. Saturday

Went into town on Bus,
Arranged Bank account with several
hundred dollars transferred from my
N.Y.C. Bank. also called at Pan
American office renewed check. # A 1503
10 days salary \$64.16 Ch. opened account
\$400.00.

Purchased five drycells 1 c Battery
for operating Beacon receiver.

Capt Whitted kindly run me out
to field still hampers for trans-
portation

Went to work. checked up loop
seems accurate and ready for Civil
Engineer to set Magnetic Hook
for me.

Connected up Beacon receiver and
find as Lutzitz wrote me it does
not oscillate proceeded to trace
circuit to locate tickler coil will
add turns for proper regeneration

When in Miami this A.M.
had Mr. Danton, (operations mgr) send
telegram to Mr. Carroll info
rming him to listen 132 meters
from 2-4 Sunday as I am

going to run a test to see if
I can get thru calling 4XA using 4XB.
Spent late afternoon connecting up
the transmitter that is for Siskowsky
plane. put 275V on plate, "B" Bat.
connected Antenna + Ground + V.C.
from all appearances (have no indicating
meter) it is stepping out fine
except for chirping on keying never the
less everything is ready for test.
also Mr. Boone took me for a ride
this evening. Explained my activities
and the W.A.S. T.R.T. station will
monitor my signals tomorrow
to see if they are getting out O.K.
Rec'd letter from Rabbs. -

If I get signs thru tomorrow will
have a good idea what to

Build up for temporary communication
to Key West + Havana.

G. H. - 11 P.M.

Sunday Oct 21.

Took it easy during morning
looked over local papers for
good car buy.

My field station 2 Pm sent 2+A-
2+B as per telegram to Key West
from all indications set working
perfect. Mr. Bourne come over and
informs me I am putting a
fine steady signal out R-2-3
at his station or exactly 132.8
meters.

Continued test until 4 Pm.

L

Monday 22.

Word from Key West says did not
hear me. very disappointing to say
the least. But said he would
listen at N.A.R. for me to test
from 230 to 230 this done as
requested.

Can pick up plane in flight
five with antenna on one side
of loop but as far as direction
finder abilities are concerned no
luck will have to investigate and
make perform.

Went into conference with Mr.
Sunter as to the how and when
of installing the Suskruky
which will lay up all week.

Tuesday. 73

Heard plane fire with aerial.
Have decided to drop all ground
work and get hastily equipped
spent greater part of day shopping
in Miami for parts & hardware
& install, will continue to do so
Tomorrow by Thursday will have
all parts on hand and will
spend Thursday night installing
set. doing this at night
to be out of mechanic way
and avoid a million questions.

Wednesday - Friday - 24th

Had go into town again this
always means half day lost
explained to Mr. Denton what
and how I wished install
plane Suskowsky secured his
approval.

He is going to have newer
panel installed.

Bought Ford, 175.00 now I
can at least get around.

Not much accomplished
today.

2

Thursday 26

Box being made for Siskowsky
transmitter

Worked on receiver located a fixed
Laven resistance unit in series
with a variable to regulate
regeneration evidently not enough.
endeavor to locate 50,000 Ω fixed

Give up idea of running Siskowsky
antenna thru tube over end
will not play out easy going
thru side of ship.

Waiting to get Venus panel
in ship. At present useless
due to oil all over weighing
some trouble with oil pressure
in shock absorbers of landing
wheels.

Noise developed in 28 again also
stopped oscillating will investigate
tomorrow.

Friday 26 -

checked up on compass, I am
unable to work on Suskowsky.

Mr. Denton + Cristenson said they
would have message sent up
from Key West. ship to be here
for 5-10 days more.

Resumed ground work. I
can hear the ships as soon
as they leave Havana port
on the regular plane receiver
also on the loop 28 But
must use 100 foot antenna

Grand ant Lickler as receiver
will add antenna.

Recd ltr Mr. Kroger. —
about checking with pilots
dead recording.

Saturday Oct 27.

Had ship play out antenna
and start immediately to test
upon leaving Miami this a.m.
Fine strong signal up to about
20 miles on my loop and
very directional. But then disappeared
and found it necessary to
put antenna on which
brought it in strong again

I am at a loss to know
what or why my loop will
not do better as a pick
up of signals will have
to write NYC for help.

Acc Day check. 62.24. —

Sunday

Played 36 holes of golf

Some tired but feel
fine.

Sunday Oct 28

Visited T.R.T. transmitting station
inspected the 1 Kw. tube
transmitter we have installed
there. -

Played bridge Bill Knox's
house. -

Monday Oct 29 -

Went to town to get Battery
Box for Suskub's transmitter
also to dictate my weekly
mail. Box not finished
and Public string not on job.

Came back to field and
tried loop receiver on Plane
leaving Havana. unhears
but when little antenna
is connected comes in
fine.

Attended a dance, and met
for the second time a very
dear sweet girl named June
Montgomery she is the
kind of a girl I could love
and marry. Well will not
rush her and just hope
for the best. But Gee she
is great.

~~Mon~~ Tuesday, Oct 30

In town again, got all mail started for N.Y.C. — a relief.

Brought Battery box out. the
fool carpenter made it too narrow
the "B" Batteries just squeeze in
the least smelling and one will
never be able to get them out

Made two disks of hard rubber for
Liskovsky lead & fair array.

Field crew putting on new bulkhead
in so I can install radio
guess will be all set by
tomorrow night.

I hope so. —

I wonder what is shielding
the loop, also the noise
in 2nd step of Radiola 28:

Thinking in the back ground of
June front garden all day

Wednesday Oct 31.

Worked on Suskorsky equipment all day, also covered Ship in its flight from Miami, Key West Havana + return. Fine signals over entire route.

Recd word at 10 am that the Suskorski is being flown to Vaite, am pondering if I should put Radio equipment on her for this trip or not there are no stations that direction for her to work and the mechanic cannot operate and I cannot go because it is outside my insurance call.

Beloni I will go ahead and get everything ready for her return. Field men just completed Veneer partition late tonight.

Playbudge Bill Truax.
Got a call from Elsie dated up for Friday. Am happy because June in will be there.

Thursday Nov.

Still rumors of Siskowsky going south due to Loring having been cracked up.

- Worked all evening until 1 am installed jammer on snip some job but managed pretty well nothing at hand to work with but expect situation will be relieved when Key West stretch room of tools arrives.

Transmitter looks fine in its box and tomorrow will install reel + receiver.

Friday Oct. 2.

Installed, receiver, reel and
and made two battery cables
am pretty near finished with
Siskorsky if the set works
as good as it looks every-
thing will be fine

Rec'd two checks. Oct 31 - A 1661 - 87.50
" " A 1662 - 75
expect this is for expense
money. making balance of R.C. a 91.73
A date

Rec'd copy letter to Carrall from
Pengygold commentaries on loop observations
being off. as soon as I get
Siskorsky repaired will turn
to ground work and clean up
trouble.

Made great headway on ship
today.

Saturday Nov. 3-

Worked to 2 P.M. Ship all set
stained transmitter Box to match
interior. Antenna all installed But
not working as easy as it
might be. OK. for present.

Fullamps registers 60 m.a.
on plate. everything in
readiness for test. expect to
unroll about 50 feet of antenna
and test on ground. Monday
Am. I am relieved this job
is finished

met June M. Last night she
is a peach I hope we get
better acquainted.

2

[Faint, illegible handwritten text, possibly bleed-through from the reverse side of the page.]

- Nov. 5 - Monday.

Read Check # 12.48 - A-1559 - Oct. 30

Took mail off to H. Y. P. rec'd letter
bawling me out. not worried

Worked on Siskinsky but interrupted
because mechanics are working
in same corner.

Check - ^a 1559 - 12.48.

Nov. 6 Tuesday.

Finished up - iskovsky
installation

all ready for test. mic &
hooking installation -

Oct. 29	Gene Vannell. - Kress.			13.98
Nov. 1 -	Julius Grethen - Soldering & Brazing job		1.75	90
6d.	Kress. 2 Sockets. 1 harp wire 15 " Battery 2 Tubes 1 dial 18 Bolts + Nuts. 1 Smelch.	.50 .25 .15 .20 .05 .15 10		1.40
Nov. 7.	Check. a 1661 - 1662 -			87.50 .75
"	Harley Milam Hardware. Bracket for reel on Siskouty		.50	
	Dopkins Carter Hardware. 1 doz Brass stove bolts. 1 " do washers.	.25 10	.35	
5.	Check. a 1559 - 12.48.			12.48

138

Jan 1



Saturday Test 10

Assembled the new transmitter parts for Siskovsky.

It is going to be a prize set.

I am quite interested.

Received a letter from Carrall instructing me to make some gas meter tests.

Going to make flight Monday

Shipping to Miami by freight
unable to bring on plane officially
because Pan Am. ships for passengers
& mail only. —

Key West last night obtained
Navy Ware meter put transmitter
exactly on 6000 for final
tests to Miami in morning. —

Talked things over with Carral
about my compass. Believed I have
the average intelligence of people
will read our trouble on my
ship and go to Key West

Monday Am. and
correct same.

✓

Monday Feb. 11 -

Left on Zepher to obtain data for T.Y.

Going down to Key West on 720 meters the following was observed. 100 F

100 FT -	Variometer Parallel	1st. 2nd.
150 FT -	" "	21. - 21.1
200 FT -	" "	12 - 12.
	" "	5 - 6

Checked these tests - On the way home, confirmed as above.

Talked over the Radio problem with White in Havana. Brought my Radiola 78 to Havana. Cleared the customs removed the set and brought back on plane because it was afraid it would be broke in

Tuesday Nov 12. - 1918

Took off 8 A.M.

Uncoiled stuck resonance immediately and established good beam with key West N.A.R. says Fine told him tell Max to listen, picked up Max right away - said I was on beam but plenty of G.R.M. -

then turned to get data for N.Y. -

957 Natural Wave Length.

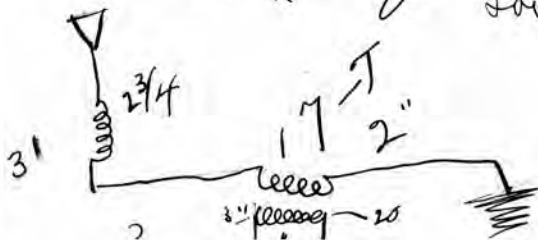
200 FT. Marking off scale with Paull
or series adjustment of Variometer.

150 FT. - 0-1 - deflection -

100 FT. - 6 - " -

50 FT. - 25 - " -

Size of Oscillator Coil 3" June 20
" " Primary coil - 2" June 17 -
" " " " " 2 3/4 - - 31 -



Wednesday. Nov. 13.

Sent telegram to J. with data
of tests

Also sent barometer. —

Thursday Nov. 14.

Worked on loop also on
600-132 transmitter.

Friday Nov 15.

Tied up my car. am stuck
for transportation.

Saturday 15.

Still unable to get Loop
working properly.

Monday 16.

Out to town sent ~~message~~
report to wife.

Thursday Feb 22

Car on open road spent
morning fiddling around
loop no results have
decided Build another

P.M. - Finished electrical
calibration of Transmitt
have all data will
make job permanent
tomorrow.

$2\frac{3}{8}$ " tube 13 Turns spaced thickness
of fishing line with filament
top 6 turns from grid End reads
just 132.5 meters.

$2\frac{3}{8}$ Tube Fine Wire # 20 47 Turns
filament top 18 T. from "Grid"
reads 600 meters.

Friday Tw. - 23.

Worked on loop in morning still
unable to get same quality right
Tuned transmitter for Siskosky in Pm.

- Saturday - 24

Obtained Best results on loop
so far this morning

Sunday 25.

Running out of money.
Guess will have to send to
N.Y. for catacomb. -

Finished Siskosky set. it
is fine big

Tuesday 27.

Checked and re checked
loop and 28 with no
results. guess it is shot.

Have to move.

December 4.

Just Miami Havana Inc
started today. Monitored
ships all the way with
complete success.

Dunton & Hammett witnessed
very pleased.

But it makes a very long
day.

December 5.

Intercepted ships very
fine today no defect.

December 6.

Up at 5.30 in order to over haul
receiver on 4XN. took same
over to my house put
aerial and ground on
and all seemed OK.

Two ships left today and
I laid out scheds.

4XN- 10-30-50 for upsat
4XM ham. 20-40-

4xN. transmits fine
but reported receiver not
working.

4xM Key in trouble sigs
dropping out.

Otherwise received all flight
data in good order,
during ships stay at
Havana. Reasoned Jared
worked out dope on
Siskosky set. — need
considerable more
antenna coil for 60T.
and closer coupling on
13V.

Must work out more
on my loop problems.
received Calcomb for
28 hope this clears
up my trouble.

Things getting active
have asked for help
also increase in day
for four months.
Jared 5.30 to 6 AM is
a long day.

Dec 7.

Cold. - just a long day
in. -

Siskowsky left for West
Indies trip

Also regular mail plane
made just trip round or
tail.

Storm coming home head
wind and bumpy -

Intercepted all data ok.
But directional properties
of loop still nil.

All wish I could
fix same up.

Tues. long day from 6.30
to 6.30. -

Sec. 8 -

Monday Both ships
in the Cen again today
up at 6.30 at Field 7, 90
suspected receiver, reported
in trouble,

Unlocate same.

Need a helper going
with Pick for same

Bought W Lumber

for code table

also installing Loops
will assemble both
Loops tomorrow

Dec. 9 -

Gov. Traps up. Now
have to get Catacomb
in place in 28.

Dec 10.

Followed ships out to
Harana putting in
long days here.

Dec 14

Mw Co Pilot makes
trip in ship this
morning. Nothing
heard all way
south But get
lost.

started coming home

In Conference with
Denton today he
talking about review
not working in place
listend to a lot of BS
from Proger.

Dictated Letter to
H. J. heading off any
complaint.

Went Tonight
a good warm Bath
then to bed.

Dec. 12

Ship lost entire contents
These new ones are
not familiar with the
equipment. it is at most
one but Pan Am has no
right to demand 100% or
under these conditions

- Dec 13 -

Ships are under poor
management. come
home without any
weights. on getting
code table set up now
more dumb foolishness
The 7-10 arrived with
a load of radio parts
very much disappointed

Dec. 14th

The J-10 stayed in the
Dangan a day have tried to
dope out its radio set but
it is beyond me. —

Dec. 15th

Made Trip to Havana Inmisor
Bearden and I. Intercepted
the weather. Got plenty of
signals coming and plenty
of juice at antenna switch
going out but unable
to raise anybody. Burned
several tubes out.

Well will get this
straight tomorrow.

Dec 16 Sunday

Left again on 7-10 rec'd telegram
last night informing me only
accused operator & ride thru
O.K. - Took backup set but
Burned out my only 171 tube.
Came home only a coast
with a 201-a and 90 volt.
got my stuff off O.K. and
thats that two or three
more trips and I will
have established 100% communication
got the law down on it
now. it wont be long
feel 100% better tonight
with the news that
operators are to be carried
on ships KHAM - call
hope I do not go out tomorrow
would like to overhaul set
on board & get sets & my off

Dec 17

Made another trip to Havana and return worked with radio all the way it is heart breaking how easy it is to wipe out the radio equipment.

Got sick this PM Capt Swinson zig zig around then pulled ship right up at 800 pm 1000 and while I did not show any visible signs I felt terrible when we came down guess I would make a poor aviator.

Radio pretty good but a long way to go.