

Box 975
Chapel Hill, N.C.

Dear Mr. Calhoun

My apologies in general but exams are upon us - The enclosed adds & ends are the only thing I could lay my hands on. Don't scrutinize the Handbook too closely, ^{especially test procedures} for it is shot thru with errors as a first effort by a new writing & publications dept. To repeat my position - D.C.L. is entitled to pay me a min of \$75 a week while in school for 3 yrs. min. and will provide vacation work at something over \$300 a week. It would be of mutual advantage for me to work with a firm more closely aligned with my present interests but unfortunately there will also have to be a pecuniary advantage. However D.C.L. is 'supposed' by the first of next year to provide additional advantages which would make it foolhardy to leave them. For this reason it is important that our present communications be kept in confidence by you. If you have any interest in continuing after the first of the year I can give definite answers, references, etc.

To sum up my experience - started as operator of radar & S.D. service during 2 yrs. high school & college. B.S. in physics UNC - 3 years in U.S.A.F. - 2 as O.I.C. of photo-optics section of some 30 people + 1 yr. as consultant in F.C.S. project at the Air Proving Ground. This work was flight test instrumentation design & during this time I developed the first operational Sighting Error Indicator for use with lead collision interceptors for which I was

Kept planning to mail this every but wanted to add a bit +
last week was one of those & now exams are upon us - Maybe
it's a psychological reaction to starting at the bottom of the heap or
something but I desperately want to get some of the scarer work
published and over Christmas am going to write a couple of articles for
publication on scoring (ROFEI). ^(If you should receive) This can be a R.O.F.E.I. advertisement
of the whole system but 'Electronics' will require at least some
technical information of interest. ~~Don't~~ Don't know how you ~~will~~
feel about it but the D-100B would be the best subject if some
circuitry is included ^{the circuitry} ~~it is~~ or should be old enough now to be of
little value to competitors or is it? I can ^{otherwise} restrict to the old work ^(in the A.F.) using
the G-30 which is certainly of no value + has been published. At the moment
I have no photos of any of the new (R.O.F.E.I.) work + it will have to be
built around illustrative material. Let me know any feelings or desires
you have on this if you have a minute.

Last night I had made up my mind to be back in
industry no later than next summer. Sometimes it really pains.
Today it doesn't seem so bad but it does get thick at times.
Nothing will make me stop short of this year however. How is the
development work going? Is Cliff overrunning the place with ideas
or are there room for more? Hope someone is putting the
milli-mike to good use. Thinking of it standing idle + the gyros etc.
hurt me. Still I've discovered that work alone isn't enough. There are other benefits.

The recorder patent came in this evening. Thanks for sending it.
Went to put it in my file and there was nothing in it but adds
+ ends. Sometime or other I would like to get it all together including
applications if there are any extra copies.

awarded the Legion of Merit. Short stint with Dave Davis in medical instrumentation. Past 3 yrs. $\bar{c}$ R.E.L. in charge of electronics design and development. Organized this dept. upon entering. This previously solely 'airframe' company + led it ^{til electronics was a} sizable proportion of the company's gross. Was asst. chief engineer upon leaving for school. Personally, and designed systems + detailed circuitry for gross sales of items of some \$3,000,000 + ^{at time of} ~~plus~~ returning to school. These items were largely production versions of systems developed by me in service.

Patents issued + pending include; infra-red missile tgt (a production + standard U.S.A.F. + U.S.N. item) (this is only joint patent), 3 firing error indicators 2 of which are ^{R.C.A.F.} U.S.N. + U.S.A.F. standardized + in production, a missile F.C.D., an scope recorder (enclosed), a high resolution ranging system, missile simulator, improvements in C.M. flowmeter + others - I am quite competent in all phases of instrumentation system + detailed electronic design + testing - some production design experience - Have a general knowledge + design experience $\bar{c}$ medical instrumentation and more than average experience in design of monitoring systems + flowmeters -

Please forgive this harsh but time is at a premium since I am not a scholar. Also please return the material + Thank you very much for your interest -

Respectfully
H. Thornton