

Dr. Ernest Stuhlinger

- ① Backgrounds - Experiences - Training etc. ② Knowledge of JCN ③ Impact of Wilson Memo on JCN + The Team ABMA
- ④ Jupiter - Its Progress - As vs Thor. ⑤ The Documents sent out by JCNs

1. Born 1913 In 1936 got Ph.D in Cosmic Rays - Went to Berlin + worked under Dr. Gieger.
In 1941 drafted into German Army as Pvt. Spent most of time digging latrines.
got to be a Cpl in 1943 but soon after he was sent to Penemunde under Dr. V.B.
After war he returned to Turbenton where his father was teaching in local school.
He became Prof. of Physics at Univ at ⁵ in Summer + Fall of 1945
Penemunde founded in 1937 under Dr. V.B. They developed V1 + V2 which was
the first guided missiles. These used liquid fuel motors - carried
warheads of about 1 ton.

In Jan 1946 he joined one of the groups that contracted to come to U.S.
Story of how he was told soon after war to get out of an area (by ad. S. Office) because
the Russians were moving into the area. Tell of being Asst to the Mayor, who
was a chimney-sweep but had not belonged to the Party.
Tell of his flight to the West - Painting his Car to enter French Zone etc.
After reaching U.S. they went for a short time to a Camp in Md; then to
Fort Bliss where they did little - went to White Sands for a few tests.

In August 1950 they moved to Hurler.

After developing R/S in 1954 with JCN in the picture, thinking was then
directed toward IRBM. JCN was very active in securing this project for R/S +
The Team. By his met JCN, his name was always connected with plugging for
IRBM. The Team wanted JCN because of having heard of his work in SS.

We want John Britton IRBM + The Satellite in the Recon that is Open. Also
the fight for Satellite + If Army had been given it, Army could have
launched it in 1956. The Team has worked out details already.
If the Army could have launched the Scientific Satellite in 1956, they
could have launched the Recon Satellite in 1958.

JCN brought The Team (as the carrier) and RCA (as supplier of TV + other technical
equipment) together on the Recon Satellite.

The most important man in the Recon Satellite program has been J.C.N.

Tell of the 400 mi Swath covered + the Military Data it would supply

The Team would not have been assigned the Jupiter without JCN.

The May 1957 flight of the J was the 3d + it was highly successful + flew 1500 mi.

The AF has some good smart scientists BUT Why their program cannot succeed.

The impact of Wilson's memo was terrific & offers came from Industry. Industrialists said "Now that you're through, come with us". In Jan or Feb 1957, a Col (I see) told Dr VB that AF wanted no part of Jupiter. J.C.N., Dr. V.B., Gen Mpat all restored good spirits & better morale. J.C.N. probably was more shocked than most of the team at first as he saw clearly the ultimate meaning of the Wilson Memo.

3 Bergquist Document: (1) 172 is a variation of the flight of No 27 or Jupiter C. Describe the Re-Entry System. Fired Sept 27, 1956 it was a complete success. It was planned to go 3000 miles & it went 3000 mi.

It fires in 3 stages. The first, the booster was R/S, burns out & tumbles. Then the 2 & the 3 &.

Jupiter C was originally designed as a Satellite launcher. After the program was given the Navy, they substitute a dummy war head where the Satellite would have been placed (in 4th stage) and fired it as J. No 27. This missile was non-tactical and could never be a weapon - Describe Spinning ^{missile}

(2) The Microlock Document ^(in 65) deals with missile tracking & to tell where the missile is. It is not a part of the guidance system. This too is non-tactical & is purely scientific. Microlock cannot be said to be more classified than Minitrack, which has been described in several publications.

(3) Document No 68. deals with the upper stages, i.e. the 2d + 3d phases of firings. He knows of no military purposes for these. The upper stages described are those used in No 27, & was non-tactical & purely scientific.

These were stamped "Secret" & the decimation of them is a technical violation of Army Regulations. Yet each could have been de-classified if the time had been taken to contact the authors of the documents.

Next document contained information that was not known to the enemy. To get these de-classified would have taken approx. 6 weeks.

The basic information in 172 was on range, altitude, velocity, etc & was given by Gen M B at a Congressional Hearing in June 1956 (see Document).

All the figures shown in 172 can be computed by talented scientists.

Has John's part of the spot light on the Jupiter contributed to saving the Program - Yes