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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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SECURITY INFORMATION

50X1-HUM

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SUBJECT	Establishment of the Central Institute of Radio Technology in Berlin-Adlershof	DATE DISTR.	18 August 1953
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THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

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1. A new institute named the Zentralinstitut fuer Funktechnik (Central Institute of Radio Technology) was founded on 1 May 1953. It occupies buildings at Berlin-Adlershof, Rudower Chaussee 116, formerly occupied by the Fernseh Zentrum, which it has absorbed. Additional buildings to be occupied by the institute are under construction on the same site.

2. The new institute is to include the following departments:

   a. High vacuum and electronic tubes.

   b. Radar

   c. Wireless signalling equipment

   d. Line signalling equipment (including carrier frequency equipment)

   e. Fundamental research in the decimeter and centimeter bands.

3. At present, only the Department for High Vacuum and Electronic tubes exists. It was originally proposed that a staff of 256 would be employed in the department, but a cut in the proposed budget has caused this figure to be reduced to 155. This department will include the following sections:

   a. Development of picture tubes (Bildfaengerroehren). (Section already exists).

   b. Development of large projection tubes. (Section already exists.)

   c. Development of special tubes for use in decimeter and VHF communications. (New section.)

   d. Development of switch tubes and tubes for special purposes (Trochotrons and tubes like Bandstrahlroehren). (Section already exists.)

   e. Development of cathodes, materials etc.

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f. Chemical laboratory.

g. Design office.

4. Work at present being undertaken in the Department for High Vacuum and Electronic Tubes includes the following projects:

a. Laboratory for external photo effects (Physicist Otto and Engineer Schmiege)

1. Intermediate image iconoscope (Zwischenbildikonoskop), 800 lines. Photo-sensitivity of the image converter portion 40-70 microamps per lumen. The tube incorporates new types of ray system and gratings (Raster).

2. Intermediate image orthicon. Two forms - "stick grenade" shape and tubular shape (Micro-Rohre). A new type of secondary emission multiplier is planned.

3. Photo-multiplier. Amplification of 10^5 achieved with 6-7 stages by the use of a special alloy for the impact cathodes (Prallkathoden). Statical bundling designs. Antimony-caesium alloy used for t[illegible] 50X1-HUM photo-cathode. Stage voltage approximately 350 V.

b. Laboratory for internal photoelectric effects (Developer Koewing)

Development of a Vidicon designs. 50X1-HUM

c. Laboratory for large projection tubes (Engineer Haucke)

1. 100 kv equipment for the illumination of a screen (Linsenrasterschirm) of about 12 square meters area. Tube to be air or liquid cooled. The high tension generator, control stage valve, and X-ray absorbing glass, are also being developed.

2. Trochotron. This task has been put aside because of lack of staff, and the greater priority of the work on the large projection apparatus.

d. Technological laboratory (Engineer Gromadies)

Mainly concerned with the development of special glass for the feed foil (Speicherfolie) of the intermediate image orthicon and with the production of a usable cathode paste, since the pastes produced by the Werk fuer Fernmeldewesen HF and the Funkwerk Erfurt do not have the requisite emission.

5. The staff of the Institute includes the following: 50X1-HUM

Dr. Gerhardt — Head of the Institute.

Dip. Ing. Walter Hass — Head of the Department for High Vacuum and Electronic Tubes.

The following subordinates of Dip. Ing. Hass also returned recently from the USSR:

Dip. Ing. Hellmut Probst	Laboratory for electronic optics
Ing. Haucke	Laboratory for large projection tubes
Ing. Baehr	Development of apparatus
Ing. Gromadies	Technological Laboratory (Formerly Telefunken)
Ing. Albert Bohne	Design Office (Formerly Telefunken)

Mueller	Foreman. System assembly
Bradtke	Head of the mechanical workshops
Peters	Foreman. Mechanical workshops
Feigel	Technologist
Senf	Glass technician
Richter	Foreman, Glass blowing shop
Rohwedder	High frequency engineer
Tippe	High frequency engineer
Wetzig	High frequency engineer
Wehlam	High frequency engineer
Fiedler	High frequency engineer
Schulz	Designer
Fischer	Designer
Gross	Electrode mechanic
Arndt	Electrode mechanic
Fiebelkorn	Electrode mechanic
Franke	Electrode mechanic
Golze	Electrode mechanic
Kolberg	Electrode mechanic
Schuster	Electrode mechanic
Zimmermann	Glass technician
Vahl	Storeman
Koewing	Laboratory for internal photoelectric effects
Dipl.Ing. von Bruck	

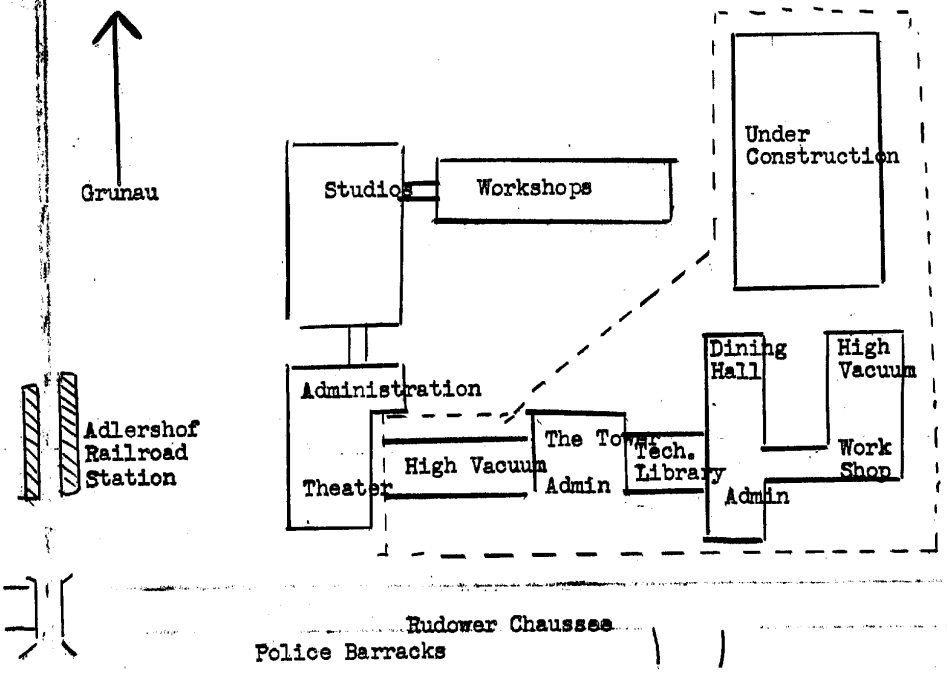
The following persons are also employed in the Institute:

Koschel	Personnel officer
Dip. Ing. Legler	High frequency engineer
Ladwig	Chemical engineer
Anton	Mathematician
Hasse	Glass technician
Berthold	Electrode technician
Alfred Bohne	Chief buyer
Frau Seling	Buyer
Frl. Jurzina	Designer
Frl. Hahn	Technical draughtsman
Frau Bergunde	Stenographer
Frl. Mizgajski	Secretary
Frl. Rohrbran	Technical assistant
Frau Block	Unskilled
Frau Kuhnke	Unskilled
Ing. Schmiege	Laboratory for external photo effects
Frau Schmiege	Technician
Frau Hoppe	Stores
Jonatat	Mechanic
Reschke	Designer
Boegel	Draughtsman
Steub	Clerk
Attmann	Glassblower
Brunzlow	Glassblower
Karg	Fitter

Appendix

Key: Inside dotted line — To be occupied by the Central Institute for Communications Technics.

Outside dotted line — To continue to be occupied by the Television Center.



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