

Not much interest to NY-4, but
N-5 (formerly G-4) should be interested
in IBM equipment "borrowed" from
Italian Navy by the Germans.

WTR

Copy No: 1

~~TOP SECRET~~

CSDIC/CMF/Y 29.

FIRST DETAILED INTERROGATION OF
SAMARUGHI, Giuseppe

N-5

Name: SAMARUGHI, Giuseppe
 Function: General Manager of WATSON-ITALIANA Soc.An.
 Did statistical work for SIM Crypto Sec.
 Interrogated: CSDIC, CMF, 27 Nov 44 and 18 Jan 45

1. PREAMBLE

Source is the General Manager of WATSON-ITALIANA Soc.An. (late HOLLERITH ITALIANA), an Italian firm, which was the subsidiary company of the USA WATSON-HOLLERITH combine, manufacturers of electrically operated punching card calculating and statistical machines. He is a "Doctor of Economic Sciences" from the University of VENICE and has worked hard to develop the firm's business in ITALY. He served in the Italian Artillery and, at the beginning of this war, was called up to his regiment. In Sep or Oct 42 he was called away from his unit and reported to SIM Crypto Sec., where he was instructed to return to his ROME office (1, Via Vittorio VENETO) to prepare for work of a technical nature which was going to be carried out by SIM Crypto Sec. Work did not start at once (see CSDIC/CMF/Y 4); mechanics from the firm's factory did not arrive from MILAN till Feb 43, expert technical advice from GERMANY took time to materialise, etc., and only little work had been done by the time of the Italian Armistice. During the winter of 1943-44 the Germans in ROME tried to obtain machines from Source's firm (see below) which the latter tried to prevent, without success. He was arrested about 20 Nov 43 and soon after released. Source stayed in ROME till the occupation of the city by the Allies.

2. WORK FOR SIM CRYPTO SEC

Source could supply few details beyond those given by BIGI and SCUDERI (cf CSDIC/CMF/Y 4, App "A" paras o.d. and e., and Y 8, para 2.A.) on the work carried out for SIM Crypto Sec. He confirmed information given by the a/m sources, especially regarding the restricted amount of work carried out in view of the fact that it was started rather late in the war.

3. INFORMATION ON WATSON-HOLLERITH MACHINES

According to Source these machines were first patented by HOLLERITH in USA. The concern, however, grew under the able leadership of WATSON, who became President of the Board of Directors and changed the name of the firm. Firms manufacturing and either selling or hiring out these machines for statistical and accountancy work were formed in most industrial countries in the world. In ITALY, the Head Office is in ROME (1, Via Vittorio VENETO) and the factory at MILAN. Source did not know what happened to the factory after the Armistice. In GERMANY, the Company was called DEUTSCHE HOLLERITH MASCHINEN GESELLSCHAFT, and had a factory or factories at BERLIN, and later at SINDELFINGEN, near STUTTGART. The German-made tabulating machine of the type D-11 (numerical and alphabetical tabulating machine) imported to ITALY for use by SIM Crypto Sec was made at BERLIN or SINDELFINGEN. The Italians also imported a couple of high-speed "reproducing-punch" machines from GERMANY for the same purpose. According to Source all German machines were copies of those made in USA.

4. WATSON-HOLLERITH MACHINES TAKEN FROM ITALY TO GERMANY(a) ROME

Source was informed on or about 20 Nov 43 that by order of the RUK (Reichsministerium fuer Ruestung und Kriegsproduktion) representative in ROME, Major QUELL, all WATSON-HOLLERITH machines in ROME were to be requisitioned and dispatched to GERMANY by 1 Dec 43. App "A" gives a list of machinery which the RUK compelled the WATSON-ITALIANA to hand over to forwarding agents for dispatch to MILAN. Source maintains that his arrest on 20 Nov 43 (see para 1) was carried out in order to compel him to disclose the information regarding machinery and personnel capable of working it.
 /Source maintained

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Source maintained that he and the forwarding agents managed to delay the dispatch of the machinery by pleading shortage of packing materials, first telling the Germans they had no wood for the cases and then reporting they had no nails, etc. The matter dragged on successfully till Mar 44, when a Capt ROTHE (German Army) from RUK called to see them about it, and they decided that the machinery "had" to be sent away. Between 1 and 3 Mar 44 SS ORs called at the place in ROME where the machinery was stored and loaded it onto trucks and then took it to the ry stn at OSTIA. The ry trucks - five in all - stayed at OSTIA stn till about 9 Mar 44 when an air raid took place. Either during this raid, or during the raids which followed, one of the five trucks was hit and the machinery loaded on it destroyed. The remaining trucks were eventually sent to GERMANY about Apr 44 (NOT to MILAN as intended at first) via CAMUCIA, near AREZZO.

Source was given a receipt for the requisitioned machines. At App "A" is an extract of the receipt. (See also para 7).

(b) FLORENCE

Source has heard since the Allied occupation of FLORENCE that Major QUIEL requisitioned, on the 29 Jun 44, machinery belonging to WATSON-ITALIANA and hired out to the State Railways, Electricity Works, etc., in that town.

(c) MILAN

Source knows that since the Armistice the WATSON-ITALIANA factory at MILAN has been requisitioned by the Germans. However, he cannot say whether the Germans continued to work this factory and manufacture machines on the spot, or whether they dismantled installations and shipped them to GERMANY.

According to Source the factory can turn out the following types of machines:

- Perforating, figure-type ("perforatrice, tipo numerico")
- Duplicating figure-type ("duplicatrice, tipo numerico")
- Tabulators (50% of Italian requirements; the rest had to be imported from GERMANY or USA).

Items which the factory at MILAN cannot turn out are: the apparatus for feeding the cards into the selector ("selezionatrice") machines, and printing machinery for (?) tabulators.

5. NOTE ON FORMATION OF SID (of CSDIC/GMF/Y 4, para 4.A.)

Source had little info on the subject except the following points. About end Sep or beg Oct 43 he was approached by Col COSMACINI and asked to work for SID, which he refused. When he was arrested - about 20 Nov 43 - and kept at REGINA COELI Prison (ROME) for three days, he was asked by an SS sjt if he knew BIGI. Source thought that perhaps the SS sjt arresting him had been told to find out where BIGI was, because the Germans wanted him.

6. DESTRUCTION OF CRYPTOGRAPHIC WORKING PAPERS, CARDS, ETC

Source stated that by order of SIM Crypto Sec ALL cards, papers, etc., used in connection with work on codes and ciphers were destroyed a day or so after the Italian Armistice (8 Sep 43).

7. ITALIAN NAVY - SIS DEPT - MACHINES FOR CRYPTOGRAPHIC WORK

Appendix "B", a translation of a copy letter requisitioning machines hired out by WATSON-ITALIANA to the Italian Navy, gives an indication of the types of machines used by the SIS Dept.

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Capt SCHENKE

Employed by DEUTSCHE HOLLERITH MASCHINEN GESELLSCHAFT and given Army rank while working for OKW. Came to ROME in 43 and instructed Source on employment of machines for cryptographic work (cf CSDIC/CMF/Y 4, App "A", para d.).

Major QUIEL Bruno

"Hauptgruppenleiter" in Reporting and Research on Machinery in RUK (IN MASCHINELLEN BERICHTWESEN DES REICHSMINISTERS FÜR RÜSTUNG UND KRIEGSPRODUKTION). Had HQ at MILAN till Jun 44 at least.

Kriegs-Verwaltungsrat
KIRCHBERG

I/o or IO of RUK for procurement of tpt in connection with machinery requisitioned by Germans in ITALY.

Lt (Navy)(Kaptlt)
von LEWINSKI

I/o HQ (DIENSTSTELLENLEITER), German Liaison Staff at Italian Naval Ministry, ROME.

A.G.B.

C.S.D.I.C.,
C.M.F.,
8 Feb 1945.

W. H. Edwards
P. (R.P.F. EDWARDS)
Lt-Col.
Comdt, CSDIC, CMF.

This schedule is a summary of WATSON-HOLLERITH equipment requisitioned by the RUK representative in ROME from the WATSON-ITALIANA offices in 1 Via V.Veneto, the Istituto Nazionale delle Assicurazioni, and the Italeable office. In addition RUK also requisitioned various machines from the Statistics Office of ROME University, the Assicurazioni d'Italia, the Confederazione Lavoratori dell' Industria, the Governorate Tax Office and the Istituto Nazionale Fascista della Previdenza Sociale.(about 13-14 in all, mainly tabulators, duplicators and selectors.)

Description of Machine	From WATSON-ITALIANA 1 Via V.Veneto ROME	From Istituto Nazionale delle Assicurazioni, ROME	From ITAL-CABLE ROME
Tabulators, numerical type IV	1		1
Selectors(horizontal)	6	2	4
Selectors(horizontal) contact-governed	2	1	1
Selectors(horizontal) with sorting device	1	2	
Reproducing-punch(German made) Nos 510-0267 & 510-0268	2		
Perforators, alphabetical, non-printing	2		
Perforators/duplicators (motor-driven)	4		9
Duplicators (motor-driven)	1		
Perforators (motor-driven)	3		1
Reproducing/verifiers, with 45 control settings	1	1	1
Tabulator, alphabetical, ATFS 64(or 80) contacts, speed 80/150	1	2	1
Verifiers(checking), alphabetical	4	3	
Perforators/duplicators, alphabetical, non-printing	2		
Perforators, collating (summarising)	1		
Multiplying	1	1	1
Duplicators, semi-automatic	3		
Perforators, electrical	2		
Verifiers(checking)mechanical	4		
Perforators, mechanical for 45 cols cards	4		
for 80 " "	1		
Duplicators, collating (summarising)alphabetical		2	
Duplicators, alphabetical non-printing		4	2
Verifiers(checking)hand-driven		4	
Perforators, hand-driven		2	
Perforators, alphabetical, printing		9	1
"Interpreting", alphabetical		1	
Tabulators, type 3-B		1	
Tabulators, numerical, type D-11			1
Duplicators, collating(summarising) for tabulator type D-11			1

Also Frames(pannelli)(3 section and 1 section), relays etc.and all accessories.

NOTE: Only a small part of the machines listed in Col 1 above were used for work for SIM Crypto Sec according to requirements.

APPENDIX "B"~~TOP SECRET~~CSDIC/CMF/Y 29

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 Translation from Italian of copy-letter received by WATSON-ITALIANA S.A.
 from German NAVY LIAISON HQ, ROME

Deutscher Verbindungsstab beim
 Ital. Marine Ministerium.
 (GERMAN LIAISON STAFF at
 ITALIAN NAVAL MINISTRY)

ROME 21 Oct 43.

Messrs.
 WATSON-ITALIANA S.A.
1 Via V. Veneto, ROME.

We certify that we have taken over today from the Italian Naval Ministry, S.I.S. Dept, following the agreement reached with Admiral VAROLI and Capt DE MONTE, the undermentioned machines, Hollerith system, which are your property. The machines will be consigned by us directly to the German Admiralty (OBERKOMMANDO DER KRIEGSMARINE) BERLIN.

1. One special selector machine, No 43080-1201, specially constructed by your factory for the particular requirements of the S.I.S. : double feeding of Hollerith cards, device for sifting out given cards by means of simultaneous reading of (over) 160 columns (i.e. 2 cards of 80 cols each), complete with following accessories: (see also despatch bill 1311/12):
 - 1 tarpaulin cover
 - 2 selectors ("selettori di classe")
 - 1 relay ("relais a collo d'oca")
 - 4 contact rollers ("rulli di contatto")
 - 2 bakelite card-holders ("pressa schede")
2. Two contact frames ("pannelli di commessione") nos. 43903-0220 and 43903-0224 with 90 long, 440 medium and 25 very short ? leads ("spine"), and 65 ? ("cavallotti").
3. Two perforators/duplicators, motor-driven, nos. 43016-0175 and 43016-0173, complete with table, wooden cabinets and card-holders.
4. One electrical circuits blueprint and one handbook describing running of selector machine.
5. Three special packing cases for a/m machines.

Concerning the rent of machines listed above, please contact until 31 Oct 43 the Italian Naval Ministry as arranged with Capt DE MONTE, while from 1 Nov 43 you are requested to get into touch directly with the Oberkommando der Kriegsmarine.

(signed)

Kapitl and Dienststellenleiter

(von Lewinski)

+ Italian text is a translation from the German original.

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