FINANCE COMMITTEE

Twenty-eighth Meeting

Geneva - 20 October, 1959

QUARTERLY REPORT PURCHASING OFFICE

Second Quarter 1959
A. CONTRACTS PLACED AFTER FULL COMPETITIVE TENDERING

<table>
<thead>
<tr>
<th>Country</th>
<th>Company/Details</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRANCE</td>
<td>Mines de Garrot S.A.</td>
<td>Delivery of 3,100 tons of baryte</td>
<td>Sw.fr. 253'500.--</td>
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<tr>
<td></td>
<td>Georges Pessis</td>
<td>Colour-film of CERN and its activities</td>
<td>ADM. 52'000.--</td>
</tr>
<tr>
<td></td>
<td>A.M.S. Grenoble</td>
<td>Power installations in the experimental Hall</td>
<td>PS 74'969.--</td>
</tr>
<tr>
<td></td>
<td>Ets. Tunzini</td>
<td>Installation of oil tanks, oil pipes and superheated water pipes</td>
<td>Power House 32'200.--</td>
</tr>
<tr>
<td>GERMANY</td>
<td>Siemens A.G.</td>
<td>Supply of a bank of capacitors consisting of 250 units, each capable of storing an energy of 1200 joules at a voltage of 2800 V.</td>
<td>SC 131'560.--</td>
</tr>
</tbody>
</table>

7416/E c/f. Sw.fr. 544'229.--
- Telefunken G.m.b.H.  
  Hanover  
  Simultaneous interpretation system for the auditorium  
  Main Building  
  $92'459.10

- A. Hassinger  
  Ludwigshafen  
  Supply and fixing of shutter-blinds  
  Main Building  
  $14'500.00

- Telefunken G.m.b.H.  
  Hanover  
  Simultaneous interpretation installation for Council Chamber  
  Main Building  
  $30'898.40

- G. Kiefer G.m.b.H.  
  Stuttgart  
  Ventilation Installation  
  Council Chamber/Main Building  
  $52'143.00

- ditto  
  Ventilation Installation  
  Canteen  
  $94'491.40

ITALY  
- Gandini, Vandoni & A. Guffanti  
  Milan  
  Excavation, reinforced concrete work, masonry, pipe-work and drainage.  
  South Generator Building/PS  
  $189'196.80

SWITZERLAND  
- Zschokke/Spinedi/Losingher  
  Geneva  
  Delivery of two series of concrete blocks (500 per series)  
  PS  
  $73'058.45

- ditto  
  Delivery of a series of 120 concrete blocks  
  PS  
  $92'172.90

- Oerlikon Engineering Co.  
  Zürich  
  Supply of 26 completely assembled quadrupole magnets  
  PS  
  $974'000.00

\[\text{c/f Sw.fr. } 2'157'149.05\]
- E. Winkler A.G.  
Zurich  
Switchboards in the Control Room and Boiler Room (supplement)  
Power House  
11'841.--

- Radio-Electro S.A.  
Geneva  
Installation of telephone and electric clocks  
Main Building  
51'011.20

- Zschokke/Spinedi/Losingher  
Geneva  
Excavation, masonry, pipe-work, reinforced concrete work, steel structural work, metalwork, including metal doors and windows and locks, corrugated "Scobalit" and paintwork  
Bubble Chamber  
73'924.75

- Radio-Electro S.A.  
Geneva  
Wiring and fitting up of simultaneous interpretation equipment  
Main Building  
48'000.--

- Robert Verdel  
Geneva  
Soundproof fibreboard ceilings  
Main Building  
26'180.--

- Gebr. Demuth & Co  
Baden  
Emergency staircase for  
Main Building  
10'857.60

- A.K. Gebauer & Co  
Zurich  
Supply and fixing of lift (500 kg)  
Canteen  
16'720.--

- O. Locher  
Zurich  
100 l. tipping pan and deep fry  
Canteen  
8'700.--

- O. Zschokke  
Geneva  
Steel structural work  
PS South Generator Building  
85'700.--

7416/E  
c/f  Sw.fr.  2'490'083.60
- Kissling S.A.
  Berne
  Supply and fixing of glass partitions
  Main Building 11'920.--

- H. Kästli & Fils
  Berne
  Supply and fixing of servomotor-operated black-out blinds for the Council Chamber
  Main Building 13'199.30

- Norba S.A.
  Geneva
  Supply and fixing of 91 cupboards in the Administration and Secretariat Offices
  Main Building 23'460.50

- Coregsa S.A.
  Lausanne
  Heat insulation of the flat roof of the canteen 22'642.--

- Emmbru Werke
  Rüti
  Supply and fitting of special seats for the Council Chamber
  Main Building 9'527.--

- Zschokke/Spinedi/Losinga
  Geneva
  Gardening works
  Surroundings 21'197.55

- J. Bally
  Zürich
  Supply of seats for the Council Chamber/Main Building 25'168.--

- W. Kollbrunner
  Zürich
  Supply and fixing of fibreboard ceilings in the Canteen 13'250.--

- Soc. Coopérative de Ferblanterie et d'Appareillage
  Geneva
  Plumbing work
  Canteen 30'005.20

Sw.fr. 2'490'083.60

7416/E
UNITED-KINGDOM - Gardiner & Gulland Ltd.
London
Self-service counter
Canteen 42'382,80

TOTAL .......... Sw.fr. 2'702'836,65

ADDENDUM A - CONTRACTS NOT REPORTED BEFORE

FRANCE
- Ets. Tunzini
  Paris
  Air-conditioning
  Ring and Linac/PS  Sw.fr. 3'460'000.--

GERMANY
- Junior Werke
  Hanover
  Metal windows
  Lab. III  14'806,80
- H. Krantz
  Aix-la-Chapelle
  Heating installation
  FS  316'788.--
- ditto
  Miscellaneous assembly work
  (supplement)
  All Divisions  16'808,75
- Schuster & Schmid G.m.b.H.
  Schweinfurt
  Structural steelwork
  Auditorium
  Main Building  11'262,50

SWEDEN
- A/B Svenska Fläktfabriken
  Stockholms
  Addition of a humidifying system to the installations
  of Lab. I.  22'417.--

ITALY
- Gandini, Vandoni & A. Guffanti
  Milan
  Baryte concrete work in
  lift shafts
  SC  15'565,20
     c/f Sw.fr. 3'857'648,25

7416/E
SWITZERLAND

- P. Leonhardt
  Zurich
  Plumbing work
  Lab. IIIa

- G. Spiess Söhne
  Zurich
  Carpentry - laboratory fittings
  Lab. IIIa

- H. Schmidlin S.A.
  Aesch/Bâle
  Tex System ceiling
  Target Testing Building/PS

- Schneider S.A.
  Geneva
  Compressed air piping
  Surroundings

- Meynadier & Cie S.A.
  Lausanne
  Additional waterproofing and insulation work on flat roof of Main Building

- Gribi & Cie S.A.
  Burgdorf
  Enlargement of the Canteen
  Surroundings

- A. Gucker
  Zurich
  Additional work on Auditorium furnishings
  Main Building

- Gipser & Maler Genossenschaft
  Zurich
  Paintwork in basement and sub-station
  PS Building

- K. Hirner
  Zurich
  Special plaster work
  SC Workshop, Lab. 1, 2, 3, 3a,
  Library and PS Lab.

b/f Sw.fr. 3'057'640.25

7416/E
- N. Terrier
  Geneva
  Hanging device for ventilation system (1st. part)
  PS Ring
  11'000.---

- Jean Spinedi S.A.
  Geneva
  Excavation, piping work and masonry for the Canteen
  Surroundings
  20'000.---

- ditto
  Excavation and drainage for the test section of the Ring
  PS
  23'000.---

- ditto
  Water purification plant,
  Pirta System
  Dormitories
  23'000.---

- ditto
  Drains round the Ring
  PS
  39'000.---

- ditto
  Approach and open space in front of Adams Hall and architect's offices
  Surroundings
  13'200.---

- ditto
  Temporary one way traffic system
  Surroundings
  26'000.---

- ditto
  Prolonging of the main supply conduit to the PS
  Surroundings
  72'000.---

- ditto
  Labour-in-day work for Site and Building barracks
  Surroundings
  39'400.---

- ditto
  Approaches to dormitories
  Dormitories
  20'900.---
ditto
Piping work
Surroundings 57'400.--

ditto
Various work, to specification
Surroundings 51'000.--

ditto
" 66'800.--

ditto
" 53'000.--

ditto
Approach to Liquid Hydrogen Building
Surroundings 78'400.--

ditto
Modification and raising of measuring units
Surroundings 12'800.--

ditto
Additional piping works at the side of roads and draining of open spaces
Surroundings 27'375.--

ditto
Approach to SC Workshop and Lab. I 25'630.--

ditto
Drainage in the vicinity of Lab. I 5'334.--

ditto
Making of roads and open spaces
Surroundings 20'041.--

TOTAL ADDENDUM A Sw.fr. 4'819'464,10
TOTAL A Sw.fr. 2'702'836,55

GRAND TOTAL A Sw.fr. 7'522'300,75
NON COMPETITIVE PURCHASES:

B. Between Sw.fr. 5'000.-- and 100'000.--

Purchasing Office .................................. Sw.fr. 1'413'323.65
Architect .............................................. Sw.fr. 230'069.25

TOTAL B. ........ Sw.fr. 1'643'392.90

C. Under Sw.fr. 5'000.--

Purchasing Office ................................. Sw.fr. 1'500'239.85
Architect ............................................. Sw.fr. 367'531.45
Library/STS ........................................... Sw.fr. 4'000.--

TOTAL C. ........ Sw.fr. 1'871'771.30

REMARKS:

B. Total Sw.fr. 1'643'392.90

The following orders amounting to Sw.fr. 230'069.25 were placed by the architect according to his contract with CERN:

A.M.S.
Grenoble  Materials for water heating system PS Building Sw.fr. 6'039.95
ditto  Fitting of protective wiring, hauling and connecting up cables for signalling system PS tunnel Surroundings 6'094.45
J. Bally
Zürich  35 armchairs 6 round tables Main Building c/f Sw.fr. 7'569.25
7416/E 19'703.40
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. Bally</td>
<td>44 swivelling armchairs</td>
<td>Zürich</td>
<td>7'998,--</td>
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<tr>
<td>Walo Bertschinger</td>
<td>Covering with Duratex</td>
<td>Lausanne</td>
<td>5'844,25</td>
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<tr>
<td>ditto</td>
<td></td>
<td>PS Building</td>
<td>7'604,95</td>
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<tr>
<td>ditto</td>
<td></td>
<td>PS Building</td>
<td>7'915,80</td>
</tr>
<tr>
<td>E. Brimkop</td>
<td>Supply of door frames</td>
<td>Hanover</td>
<td>5'370,--</td>
</tr>
<tr>
<td>M. Chiriotti</td>
<td>Supply and fixing of handrail</td>
<td>Carouge/Geneva</td>
<td>6'800,--</td>
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<tr>
<td>Gandini/Vandoni</td>
<td>Various work in the vicinity of the Wilson Barrack</td>
<td>&amp; A. Guffanti</td>
<td>6'600,--</td>
</tr>
<tr>
<td>Meyrin</td>
<td></td>
<td>Meyrin</td>
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<tr>
<td>L. Guillermin</td>
<td>Extension of the SC safety fence</td>
<td>Geneva</td>
<td>5'200,--</td>
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<tr>
<td>Hunziker Fils</td>
<td>Disappearing wall-blackboard</td>
<td>Thalwil</td>
<td>5'386,--</td>
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<tr>
<td>A.G. Hunziger &amp; Co.</td>
<td>95 5-pane units</td>
<td>Olten</td>
<td>8'000,--</td>
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<tr>
<td>Jonneret S.A.</td>
<td>15 4-pane units</td>
<td>Geneva</td>
<td></td>
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<tr>
<td>Klein S.A.</td>
<td>Supply, machining and fixing on the framework of roller-track and supporting</td>
<td>Geneva</td>
<td>7'800,--</td>
</tr>
<tr>
<td></td>
<td>framework for ventilator, 1 ventilating cowl</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Execution of hanging ceiling</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>to our drawings</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Council Chamber</td>
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<td>Main Building</td>
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<td></td>
<td></td>
<td>8'000,--</td>
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<td></td>
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<td>102'222,40</td>
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<tr>
<td>Klein S.A.</td>
<td>Plastering work for Directorate General</td>
<td>Council Chamber</td>
<td>8'000.--</td>
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<tr>
<td></td>
<td>Geneva Council Chamber Main Building</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A. Marguelisch</td>
<td>58 miscellaneous angle-irons</td>
<td>Geneva</td>
<td>8'000.--</td>
</tr>
<tr>
<td></td>
<td>7 small steel doors with frames made of angle-irons</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ditto Handrail for Auditorium, Supply and fixing, parkerising,</td>
<td>Main Building</td>
<td>8'000.--</td>
</tr>
<tr>
<td></td>
<td>ditto supply and fixing of railing in Auditorium, tubing and supports in</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>ditto ditto Supply and fixing of table tops for the Council Chamber</td>
<td>Main Building</td>
<td>6'000.--</td>
</tr>
<tr>
<td>Norba S.A.</td>
<td>ditto Supply and fixing of table tops</td>
<td>Main Building</td>
<td>5'884.--</td>
</tr>
<tr>
<td>Radio-Electro S.A.</td>
<td>Radio-Electro S.A. Hauling cable 40 x 2, splicing cable 200 x 2,</td>
<td>Geneva</td>
<td>5'600.--</td>
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<tr>
<td></td>
<td>Cable installation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ditto Telephone installation</td>
<td>Main Building</td>
<td>5'400.--</td>
</tr>
<tr>
<td>J. Spinedi S.A.</td>
<td>ditto Labour placed at the disposal of electrical fitters</td>
<td>General</td>
<td>7'700.--</td>
</tr>
<tr>
<td>H. Schmidlin</td>
<td>ditto Delivery of doors to drawing</td>
<td>Main Building/Canteen</td>
<td>5'414.10</td>
</tr>
<tr>
<td>Aesch/Bâle</td>
<td>ditto Delivery of deal doors</td>
<td>Canteen/Main Building</td>
<td>7'215.--</td>
</tr>
<tr>
<td>A. Schneider S.A.</td>
<td>ditto Gas supply for kitchen, Connecting up cooker and frying stove</td>
<td>Canteen/Main Building</td>
<td>7'000.--</td>
</tr>
<tr>
<td>Telefunken G.m.b.H.</td>
<td>ditto Simultaneous interpretation equipment</td>
<td>Council Chamber/Main Building</td>
<td>5'150.--</td>
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**Total:** 181'585.50
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<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Total</th>
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<tbody>
<tr>
<td>Vaucher &amp; Rey, Geneva</td>
<td>Digging and sealing work for ribbed steel flooring in basement</td>
<td>181'585.50</td>
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<tr>
<td></td>
<td>Labour-in-day work Library</td>
<td>5'300.00</td>
</tr>
<tr>
<td>Vincent, Carouje/Geneva</td>
<td>Supply and fixing of deal slats for brass fittings</td>
<td>7'160.00</td>
</tr>
<tr>
<td></td>
<td>Supply of brackets treated with carbolineum</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Main Building</td>
<td></td>
</tr>
<tr>
<td>Ets. Wanner, Paris</td>
<td>Supply of a series of smoke flues in front of boilers and fuel economisers</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Power House</td>
<td>7'670.40</td>
</tr>
<tr>
<td>H. Zimmermann &amp; Co, Adliswil</td>
<td>Securit glass for staircase in Main Building</td>
<td>7'571.00</td>
</tr>
<tr>
<td>J. Spinedi, Geneva</td>
<td>Labour placed at the disposal of electrical fitters</td>
<td>5'665.35</td>
</tr>
<tr>
<td>F. Tangemann, Zürich</td>
<td>Chromium plated foot rest for Auditorium, including accessories for accommodating cables, and fixing</td>
<td>6'612.00</td>
</tr>
<tr>
<td>Vaucher &amp; Rey, Geneva</td>
<td>Labour for hauling cables, digging and sealing, and assisting electrical fitters</td>
<td>8'065.00</td>
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<td>Surroundings</td>
<td></td>
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<td>TOTAL</td>
<td>230'069.25</td>
</tr>
</tbody>
</table>

Further, the following orders are reported:

- **36876 Normacam, Lyons, France**
  - Spare parts for the ventilation system in the PS ring
  - Sw.fr. 13'680.00

Same supplier as for the main ventilation system, but somewhat better prices obtained.
37956 Eisenwerke Kaiserslautern Spare parts for Kaiserslautern compressor Germany PS 5'283,10
This firm is highly specialized in this field and preferred as a supplier by our specialists. Prices are very competitive.

39006 I.B.M. France Work done on IBM 704 computer Paris in Paris France STS 14'567,30
Work: executed at ordinary rates for this type of calculation.

39082 Ernst Dillmann K.G. Cabling work in the Dortmund PS Ring Germany PS 32'810.---
As per standing contract for installation work.

39142 Usines de Roll 2 annealed wrought Gerlafingen steel plates Switzerland PS 5'372.---
Out of 5 firms contacted, the above was the cheapest with the best delivery.

39246 Aluminium S.A. 10 light metal foot-bridges Menziken PS 11'382,65
Switzerland Only two Swiss firms were contacted for this delivery, as we needed the bridges rather urgently. The above was the cheapest, and as we have worked with the firm on many occasions before, we are confident of a short delivery and the price seems very cheap.

39283 W.F. Roschi Flaps and sockets Berne to CERN design Switzerland SC 10'878.---
We have ordered these plugs and sockets on several occasions from this firm. Thanks to a fairly large quantity being ordered, we get a special price.

39354 Remington Rand 7 Kardex cabinets Geneva with cards and accessories Switzerland SC 11'186,90
This is for the SC store. We have standardized this equipment all over CERN after comparing the different systems offered.

7416/E
International Electronic Research Corp. Burbank, USA
39383 1,800 shielding units PS 5'131,80
Special equipment only delivered by this firm.

Engelhard Industries Zürich, Switzerland
39414 1 "Deoxo" hydrogen purifying unit PS 131'157,20
This is for the removal of oxygen from hydrogen gas. Engelhard is the only firm which can supply such a purification unit.

Universelle Electronic Stuttgart, Germany
39423 PVC lines for measuring apparatus PS 5'756,85
Cheapest out of several firms contacted.

Dupree, Swift Ltd. London, U.K.
39424 6 copper vacuum containers for liquid nitrogen PS 7'750.--
We have investigated this matter earlier when the above firm turned out to be the cheapest. Further their containers are of a very robust design and withstand a pressure of 40 p.s.i. (approx. 4 times the normal pressure allowed in this type of vessel).

Max Paul Frey Berne, Switzerland
39509 2 Hewlett-Packard high speed scalers SC 5'671,30
Scalers of the same quality and price are not obtainable in Europe for the time being.

Siemens Various measuring instruments Lausanne, Switzerland
39560 SC 5'099,65
The above firm has been chosen after comparing the prices and quality of a series of firms. Standard equipment.

Ateliers de Constr. Vevey, Switzerland
39652 1 travelling crane PS 9'550.--
Best out of three offers received.

c/f Sw. fr. 157'276,75
39711. Gandini, Vandoni & A. Guffanti
  Construction of a concrete shelter
  Meyrin
  Italy
  Labour-in-day work at usual prices and conditions.

39712. Walter Marolf
  1 "VM" Universal trailer
  Finsterhennen
  Switzerland
  Three other suitable types were also considered, but the above proved to be the best. Price competitive.

39713. E. Ott
  Paint work
  Geneva
  Switzerland
  Labour-in-day work at standard prices.

39777. Max Paul Frey
  1 counter, 1 plug-in-unit,
  Berne
  1 amplifier, 1 time unit
  USA
  This is the only suitable counter available.

39781. Omni Ray A.G.
  Electronic equipment
  Zürich
  USA
  Standard Tektronix equipment.

39815. Maeder
  Cylindrical and conical shanked drills
  Zürich
  USA
  Some 700 pieces bought from our usual supplier with a substantial discount.

39935. Lienert
  1 universal boring and milling machine with attachments
  Zürich
  Germany
  This is the third machine of this type which has proved useful in CERN. Price is very good and interchangeability of parts is a great advantage.

39940. Jean Gallay S.A.
  50 electronic racks
  Geneva
  Switzerland
  Addition to previous order when extensive tendering was made.

7416/E  c/f Sw.fr.  260'965,90
b/f Sw.fr. 260'965,90

39941 Fleury & Cie
Geneva
France
1 Peugeot commercial van SB 7'695.--

The price is very good and this car is very well suited to our purposes.

39942 British Insulated Cables
Helsby
U.K.
1,500 m. cable SB 16'836.--

Five other specialized firms were also contacted; the above being the cheapest.

39993 Ernst Dullmann K.G.
Dortmund
Germany
Cabling work PS 8'670.--

Work performed as per standing contract.

40.033 M.B.L.E.
Brussels
Belgium
1 spare pulse forming network PS 5'200.--

Addition to previous contract No. 60/PS

40079 S.A. Cornigliano
Genoa
Italy
1,000 cast steel hanging devices PS 11'364.--

Seven firms contacted. The above and the firm Henricot were the cheapest. In order to be sure of delivery at the required date, the order was split between these two firms.

40086 Usines Emile Henricot
Court Saint-Etienne
Belgium
1,000 cast steel hanging devices PS 10'434.--

See order 40079.

40087 Ferranti Ltd.
Hollinwood
U.K.
Multiple Input/output system for Mercury Computer STS 21'411.--

This, of course, could only be bought from the supplier of the machine itself.

40153 Panoramic Radio Products
Mount Vernon
USA
1 panalyzer Model SB-8b SC 6'157,70

We already have one of these instruments in P.S., which are only obtainable from the U.S.A.

7416/E c/f Sw.fr. 348'733,60
40155 Ultronix
Stockholm
Sweden
4 high voltage power supplies
SC
Sw.fr. 348'733.60
This equipment is now accepted as standard in CERN. Prices very competitive.

40156 Gornetzcheu-Anstalt
Balzers
Switzerland
1 vacuum hardening furnace
PS
7'650.--
By connecting this to present Balzers installations in CERN, we only spend the above amount, while buying from any other firm would mean an expenditure of some Fr.20,000.--

40158 Max Paul Frey
Berne
USA
4 high speed scalers
8 wide band amplifiers
Hewlett Packard make
SC
18'346.65
These are also more or less standard in CERN due to their excellent quality and performance. So far no European supplier is able to compete successfully.

40159 Philips
Zurich
Holland
8 Universal scalers
SC
12'312.--
This has practically become the CERN standard medium speed scaler. Prices are very good. The above three orders are all for equipping the P.S. Counting Rooms.

40159 Jean Gallay S.A.
Geneva
Switzerland
20 standard racks with fittings
STS
0'460.--

40170 Jean Gallay S.A.
Geneva
Switzerland
20 standard racks with fittings
PS
8'248.--
For these two orders, same conditions as contract No. 95/PS given to the same firm, when competition was called for.

40198 Ilford Inc.
Ilford
U.K.
Nuclear research emulsions
424 pellicles
SC
7'619.80
This is practically the only European firm capable of making this type of film.

Sw.fr. 422'693.05

7416/E
<table>
<thead>
<tr>
<th>Code</th>
<th>Company/Supplier</th>
<th>Description</th>
<th>Country</th>
<th>Quantity/Price</th>
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</thead>
<tbody>
<tr>
<td>40274</td>
<td>Philips</td>
<td>6 ignitrons, 6 thyrotrons with bases</td>
<td>Zürich</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Holland</td>
<td></td>
<td>6'030,15</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Our usual supplier for this type of equipment.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Special conditions.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40301</td>
<td>Stahag</td>
<td>47 stainless steel tubes</td>
<td>Zürich</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Germany</td>
<td></td>
<td>5'275,65</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Usual supplier, stock delivery. Special conditions.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40319</td>
<td>Micafil</td>
<td>Resocel and Resofil plates</td>
<td>Zürich</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Switzerland</td>
<td></td>
<td>20'746,80</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Yearly quantity bought in order to obtain the best quantity discounts.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40321</td>
<td>Pierre Kamminga</td>
<td>35 illuminated sign units</td>
<td>Vevey</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Switzerland</td>
<td></td>
<td>11'150.--</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Eight different firms were contacted, the above the cheapest.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40323</td>
<td>Ero</td>
<td>160 canteen chairs</td>
<td>Lucerne</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Germany</td>
<td></td>
<td>9'440.--</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Additional chairs for the new canteen. Same supplier as for the first delivery when a considerable number of firms were contacted.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40366</td>
<td>Ing. M. Koenig</td>
<td>Armco pure iron sheets</td>
<td>Zürich</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Germany</td>
<td></td>
<td>17'448,80</td>
</tr>
<tr>
<td></td>
<td></td>
<td>We have recently (order 38618) bought quantities from the same firm when competition was called for. This time we obtained a further good discount.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40392</td>
<td>Sorensen-Ardag</td>
<td>2 A.C. voltage regulators</td>
<td>Zürich</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Switzerland</td>
<td></td>
<td>6'137.--</td>
</tr>
<tr>
<td></td>
<td></td>
<td>We have - after extensive tests - practically standardized on these voltage regulators which are cheap and of very good quality.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>a/f Sw.fr.</td>
<td></td>
<td>498'921,45</td>
</tr>
</tbody>
</table>

7416/E
Labor-in-day work executed at ordinary standard rates.

The making of these which was a somewhat difficult problem was studied in co-operation with the firm which provided drawings and proposals. As the matter was urgent, no other firms were contacted for similar studies. A.C.M.V. is a specialized firm doing good work at reasonable prices.

As Tunzini manufactured and delivered the whole installation, it was, of course, the only firm to supply the spare parts. Prices seem reasonable compared with other firms and the initial contract.

Zeiss and Koritzka also contacted, plus some other firms, but no other firm could supply a microscope with the same precision.

Five firms contacted. The above the cheapest.

It was cheaper to buy through this firm than the Swiss agent. Manufacturer Canadian Development Corp. Investigations were made in the world market. The above seems to be the only acceptable offer.
b/f Sw.fr. 659'893.55

40594 Transelc, 53 Perfektstert light fixtures.
Switzerland Additional lighting for ball Ring SB 6'356.90

Usual supplier, special conditions.

40664 G für Messapparate, 1 non-linear distortion
Berne analyser PS 7'620.--

Selected because of its wide frequency range and its band-spread system. Other firms contacted could not provide the same facilities. Prices comparable.

40665 Ansaldo, San Giorgio 2 diverter dynamos and
Genoa electronic attachments Italy SC 5'863.20

Repeat order for identical equipment already purchased in 1956 when competition was invited from German and French firms.

40777 Max Paul Frey 2 Hewlett Packard fast scalers
Berne PS 5'319.75

We have practically standardized on the Hewlett Packard fast scalers. Price is very competitive and quality good.

40843 Armand Humbert Painting of metal frames for
Geneva baryte blocks PS 8'289.45

Same firm and conditions as applied by the architect, however order passed direct by CERN.

40853 Omni Ray A.G. 1 Tektronix Oscilloscope
Zürich SC 15'137.50

Standard equipment and supplier.

40854 Denimex Dev. Co. 6 RCA photomultiplier tubes
Briarcliff Manor SC 5'134.30

The above firm delivers at a lower price than the R.C.A. agent here in Switzerland.

40875 Solyvent 6 spiral ventilators for the
Lyons SC proton room for bubble chamber tests SB 5'520.--

This was very urgent, so only the above firm was contacted for these special ventilators. Prices checked afterwards were found to be competitive.

7416/E c/f Sw.fr. 719'034.65
Only four local firms were contacted, as we wanted a very short delivery time. Foreign firms would hardly be competitive due to the small value of the order.

We have carried out investigations in several member countries, in order to find good and cheap working clothes, but the above firm is still the best.

Tracerlab is the only supplier of this type of ratemeters; of course, other makes exist, but the above is preferred by our scientists and the price compares well with other makes.

Usual supplier of these small measuring instruments. We put out enquiries to a number of firms before finally deciding on Siemens.

This is standard equipment for electrical installations in Switzerland. There are other suppliers, but we obtain the best conditions from the above firm.

This again is standard equipment. Special discount.

Nine offers received from four different countries. The above was the cheapest and the make considered to be of very high quality.
41246  Adox Fotowerke  250 rolls of 35 mm. film  5'980.---
        Francfort
        Germany
This film is for the run of the 32 cm. bubble chamber.  The firm is giving a rather substantial discount for this special order hoping to secure more orders in the future.

41247  Metallbau A.G.  6 Norm-cupboards fully fitted  11'995.65
        Zürich
        Switzerland
For the PS Self Service Store. We have already a quantity of these cupboards in use and they render very good service being solid and practical.

41362  Omni Ray A.G.  1 oscilloscope,  7'893.10
        Zürich
        USA
        PS
Usual standard supplier. Especially intended for the PS beam display.

41390  Seyffer & Co AG  10 cathode-ray tubes  5'406.25
        Zürich
        USA
        Du Mont C.R.T. 4DP2
Only delivered by Du Mont.

41460  Cie Française  500 m. flexible cable  8'650.---
        Thomson-Houston
        Paris
        France
Orders for this special cable have already been placed twice (20528 and 31257). It gives good service, the price is competitive, so there is no reason to change over to any other type.

41466  Isola-Werke A.G.  420 m. Tdc cable  13'344.---
        Breitenbach
        Switzerland
Cable urgently needed, so only Swiss firms were contacted. The above quoted a special price and delivery from stock.

41564  AGA S.A.  10 Respirator sets with  7'790.---
        Genova
        containers
        Switzerland
        SB
This is standard fire fighting equipment. We have thoroughly investigated this matter earlier and now have a standing arrangement with the above firm.

7416/E  c/f  Sw.fr.  851'803.25
Fifteen offers from six of the member countries were asked for before the above order was placed.

Perkin-Elmer Co. 1 precision gaussmeter Norwalk Model M-2 USA SC 10'034.--

This instrument was especially asked for by Dr. Ledermann, as the only one acceptable for his purpose. Price seems reasonable.

Philips AG 7 photomultiplier tubes Zürich SC 10'450.--

Ordinary Philips photomultipliers, however very high sensitivity is claimed. We have special conditions from Philips for these tubes.

Zschokke, Spinedi, Construction of store for Losinger PS baryte and concrete blocks Meyrin PS Switzerland 17'940,30

This is mainly an extension of an existing contract for the manufacture of concrete blocks. As the two jobs are associated, we could hardly ask any other firms. When the contract for the blocks was placed the ordinary tendering procedure was followed and the prices for the present order seems to compare well with those of the contract.

Lip Uniforms Geneva SB Switzerland 10'926.--

See order 40901

Weltrawo A.G. 500 connectors Worb SC Switzerland 9'500.--

These are the 125 ohm Berkley connectors previously manufactured through another firm. We have obtained better prices which is the only reason for dealing direct with this firm.
41836 Canti Ray A.G. 1 Tektronix oscilloscope
Zürich 2 plug-in preamplifiers
USA F5 8'504,25

Our usual supplier (for the Propane Bubble Chamber Group).

41837 Haber & Co. 25 pilot plungers
Biele F5 6'055.--
USA

Urgently required for the model study of the Propane Bubble Chamber. Very special valves difficult to obtain from other sources.

41891 Kampoda Office furniture
Bindhoven SC 6'249,60
Holland

Standard furniture from our usual supplier.

41896 Ernst Düllmann 800 m. trays
Dortmund SC 6'600.--
Germany

Employees of this firm are already working on the Site. These men are installing cable trays, and the materials covered by this requisition are used in their manufacture; the men are thus welding and manipulating materials with which they are familiar.

41923 J. Baerlocher Electronic equipment
Zürich (Cannon plugs)
USA SC 5'785,60

These are special plugs selected and used by our SC Division.

41925 Mo Och Domsjö 5,000 kg. offset printing
Aktiebolaget paper
Stockholm STE/SIS 7'075.--
Sweden

Cheapest out of several Scandinavian firms contacted.

42005 Creed & Co 2 reproducers for the
Croydon computing machine
U.K. STE 13'371,10

The Mercury computer is already fitted with Creed tape editing equipment. For reasons of standardization of equipment and ease of servicing, we would prefer to continue using Creed equipment.

7416/E c/f Sw.fr. 977'894,10
42028 Kodak 35 mm. Plus-X film
Switzerland SC USA

Film for the Bologna visiting team. The film will be paid for by the team itself.

42105 National S.A. 2 cash registers for the Geneva Canteen
Germany SB

These are in addition to the machine which we have in the smaller canteen and which gives complete satisfaction. These machines are especially constructed for restaurant use.

42107 Stebler-Saner 60 canteen tables
Münningen SB Switzerland

Out of three offers received the above was chosen, as we were not completely satisfied with the initial supplier and the above was also cheaper.

42239 Omni Ray A.G. Tektronix Oscilloscope
Zürich Type 545 and accessories USA STS

Standard supplier, for the STS Division.

42261 Motori Maniero 1 trailer, capacity 40 tons
Padoue for transport of shielding blocks, etc.
Italy PS Switzerland

We have only contacted 3 firms whom we knew from previous experience could offer reasonable prices. The above was the cheapest.

42282 Cie pour l'industrie Radioelectrique 80 "Emergency Stop" safety devices
Berne PS Switzerland

These are safety devices to be used in connection with operation of the PS machine. The problem has been studied for some time and the solution resulted in the above order. The firm was the only one which offered something really suitable for our rather special problem.
Tenders were invited from five firms and eight different types studied. The above was, in fact, both the cheapest and the one technically preferred.

**42378** International Rectifier Co. 
**Geneva**
1200 silicon rectifiers 
**6'806,50**

Standard equipment at good prices.

**42404** Kampoda 
**Eindhoven**
70 complete sets of shelves 
**6'488,50**

Usual supplier. Shelves required for filing purposes.

**42440** H. Antonioli 
**Nyon**
25 laboratory benches 
**7'267,50**

We have also bought these tables from other firms, but the quality from the above firm is definitely superior and the price good. Therefore we have not asked offers from other firms for the present small quantity.

**42513** Philips A.G. 
**Zurich**
10 photomultiplier tubes 
**10'878.**

See order 41625.

**42514** Denimex Developm. Company 
**Briarcliff Manor**
50 cylinders of helium 
**21'506,05**

Repeat order for next year's estimated demand for helium gas. The above the cheapest firm in the market.

**42555** Camille Bauer 
**Basel**
2 Multavi registering instruments 
**5'159,20**

Out of three offers received, the above was the best as regards price and technical details.

b/f Sw.fr. 1'166'438,25
<table>
<thead>
<tr>
<th>Code</th>
<th>Supplier</th>
<th>Item Description</th>
<th>Location</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>42566</td>
<td>Omni Ray A.G.</td>
<td>1 Tektronix oscilloscopes, preamplifiers</td>
<td>USA</td>
<td>9'515.--</td>
</tr>
<tr>
<td>42632</td>
<td>Philips A.G.</td>
<td>8 Universal scalers</td>
<td>Holland</td>
<td>12'312.--</td>
</tr>
<tr>
<td>42633</td>
<td>Max Paul Frey</td>
<td>4 high speed scalers</td>
<td>Berne</td>
<td>10'380.--</td>
</tr>
<tr>
<td>42634</td>
<td>Oltronix</td>
<td>7 power supplies</td>
<td>Stockholm</td>
<td>14'606.--</td>
</tr>
<tr>
<td>42641</td>
<td>Autos-Import</td>
<td>1 complete Bedford tractor chassis</td>
<td>Geneva</td>
<td>20'450.--</td>
</tr>
<tr>
<td>42669</td>
<td>Omni Ray A.G.</td>
<td>Tektronix oscilloscopes and accessories</td>
<td>USA</td>
<td>37'028.50</td>
</tr>
<tr>
<td>42677</td>
<td>Schneider S.A.</td>
<td>Various piping connections</td>
<td>Geneva</td>
<td>6'882.15</td>
</tr>
</tbody>
</table>

Equipment already standardized in the S.C. There are possible alternatives, but they are all about the same price, so we should prefer not to complicate servicing and operating problems by changing to different types unnecessarily.

We have standardized on these power supplies which have proved to be of good quality at a cheap price.

Several types have been studied and prices compared. The above was finally chosen for technical and economical reasons, as it was, in fact, the cheapest of the types that could be used.

Standard equipment for the S.C.

Labour-in-day work at special prices, as per standing contract.
42685  E. Monney  Painting of 450 metal frames for concrete blocks  Geneva  PS  1'277'611,90
Cheapest out of three firms contacted.

42699  Schneider S.A.  Electrical installations in the Ring  Geneva  SB  6'631,75
See order 42677.

TOTAL ........  Sw.fr. 1'303'523,65

C. The total of orders placed by the Purchasing Office under Sw.fr. 5'000.-- amounts to Sw.fr. 1'500'239,85 which sum is covered by 3,467 orders giving thus an average of Sw.fr. 432,70 per order.
OF ALL PURCHASES PLACED BETWEEN SUPPLIERS IN THE VARIOUS MEMBER STATES

**Second Quarter 1952**

<table>
<thead>
<tr>
<th>Country</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austria</td>
<td>1'352,55</td>
</tr>
<tr>
<td>Belgium</td>
<td>17'970,55</td>
</tr>
<tr>
<td>Denmark</td>
<td>6'944,35</td>
</tr>
<tr>
<td>France</td>
<td>4'034'356,80</td>
</tr>
<tr>
<td>German Federal Republic</td>
<td>1'254'611,20</td>
</tr>
<tr>
<td>Italy</td>
<td>284'309,85</td>
</tr>
<tr>
<td>Netherlands</td>
<td>146'287,05</td>
</tr>
<tr>
<td>Norway</td>
<td>3'191,85</td>
</tr>
<tr>
<td>Sweden</td>
<td>74'925,68</td>
</tr>
<tr>
<td>Switzerland</td>
<td>4'383'127,35</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>339'895,55</td>
</tr>
<tr>
<td>*) Canada</td>
<td>87'538,25</td>
</tr>
<tr>
<td>*) U.S.A.</td>
<td>398'334.--</td>
</tr>
</tbody>
</table>

Sw.fr. 11'033'464,95

*) Non-member States
## Breakdown of All Purchases

Placed between Suppliers in the Various Member States

<table>
<thead>
<tr>
<th>Country</th>
<th>Total 1952/1958</th>
<th>1st Quarter 1959</th>
<th>2nd Quarter 1959</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austria</td>
<td>Sw.Fr. 16'040,55</td>
<td>Sw.Fr. 5'107,45</td>
<td>Sw.Fr. 1'352,55</td>
<td>Sw.Fr. 22'500,55</td>
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<tr>
<td>Belgium</td>
<td>4'858'599,04</td>
<td>4'017'730,65</td>
<td>17'970,55</td>
<td>4'917'300,24</td>
</tr>
<tr>
<td>Denmark</td>
<td>201'271,64</td>
<td>8'088,70</td>
<td>6'944,35</td>
<td>216'304,69</td>
</tr>
<tr>
<td>France</td>
<td>10'555'213,54</td>
<td>1'993'382,95</td>
<td>4'034'356,80</td>
<td>14'788'953,29</td>
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<tr>
<td>German Federal Republic</td>
<td>12'938'270,64</td>
<td>703'108,05</td>
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<tr>
<td>Italy</td>
<td>18'476'322,94</td>
<td>298'717,45</td>
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<td>Netherlands</td>
<td>3'450'777,05</td>
<td>153'898,80</td>
<td>146'287,05</td>
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<tr>
<td>Norway</td>
<td>108'746,66</td>
<td>1'734,60</td>
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<td>Sweden</td>
<td>2'024'125,46</td>
<td>42'047,70</td>
<td>74'825,60</td>
<td>2'140'998,76</td>
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<td>Switzerland</td>
<td>48'549'568,54</td>
<td>2'158'220,85</td>
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<td>55'090'916,74</td>
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<td>United Kingdom</td>
<td>7'638'661,60</td>
<td>854'384,80</td>
<td>230'095,55</td>
<td>8'723'142,95</td>
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<td>Yugoslavia</td>
<td>502'186,60</td>
<td>579,60</td>
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<td>Canada *)</td>
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<td>140'025,70</td>
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<td>U.S.A. *)</td>
<td>3'208'247,84</td>
<td>392'185,95</td>
<td>398'334,--</td>
<td>3'998'176,79</td>
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<tr>
<td>U.S.S.R. *)</td>
<td>6'163,50</td>
<td>6'163,50</td>
<td>6'163,50</td>
<td>6'163,50</td>
</tr>
<tr>
<td></td>
<td>Sw.Fr. 112'587'227,45</td>
<td>4'858'187,55</td>
<td>10'923'664,95</td>
<td>128'369'079,95</td>
</tr>
</tbody>
</table>

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7416/E  *) Non-member States.