

109. Germany: German Botanical Agricultural Expedition to the Andes
January/August 1959

The report of this expedition, which comprised the second gene centre expedition to South America of the Max-Planck-Institut für Züchtungsforschung, and the cytological-geographical expedition of the Botanischen Instituts der Universität, Köln, contains the following items:-

- (i) W. Rudolf: Über die Aufgabe und Vorbereitung der Expedition.
(Objectives of and preparations for the expedition)
- (ii) H. Ross und R. Rimpau: Beschreibung des Expeditionsverlaufes.
(Description of the expedition).

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- 21 -
- (iii) H. Ross und R. Rimpau: Itinerar.
(Itinerary)
 - (iv) L. Diers: Itinerar und kurzer Bericht.
(Itinerary and short report)
 - (v) Aufstellung des gesamten von Dozent Dr. H. Ross und Dr. R. Rimpau
gesammelten Materials.
(Lists of all material collected by Dr. H. Ross and Dr. R. Rimpau)

The following is a summary of the collections made by Dr. Hans Ross and Dr. Rudolf Rimpau:-

	<u>No. of</u> <u>collections</u>		<u>No. of</u> <u>collections</u>
<u>Solanum</u> , wild sp.	282	Barley	14
<u>Solanum</u> , cultivated sp. except <u>S. andigena</u>	39	Rye	8
<u>S. andigena</u>	470	Oats	1
<u>Phaseolus</u> , wild sp.	48	Grasses	8
<u>Phaseolus</u> and related genera, and cultivated sp. apart from <u>Ph. vulgaris</u>	29	Lucerne	3
<u>Ph. vulgaris</u>	150	Peas	4
<u>Lupinus</u> , wild sp.	64	Chickpeas	2
<u>Lycopersicum</u> , wild sp.	22	<u>Vicia faba</u>	11
<u>Capsicum</u> , cultivated forms	30	Rape	2
Maize, cultivated forms	56	Berry and tree fruits	11
Wheat (<u>Triticum aestivum</u>)	6	Miscellaneous S.American cultivated plants	11
" (<u>T. dicoccum</u>)	1	Ornamental plants and material for investigations into	
" (<u>T. durum</u>)	2	chromosome geography	187
		Orchids	40
<u>Total number of collections: 1501</u>			

110. Germany: Institut für Pflanzenzüchtung Gross-Lüsewitz

Dr. Rothacker informed us in June 1959 that he planned to collect potatoes in northern Argentina from the winter of 1959 to spring 1960. A report will be provided in due course. Dr. Rothacker states that he is at present engaged on an intensive study of the collections made in 1958 by Professor Brücher (Mendoza, Argentina) and Dr. P.M. Zhukovski (Leningrad) for types resistant to Heterodera rostochiensis, Actinomyces scabies, Phytophthora infestans and several viruses. The Institute at Gross-Lüsewitz maintains a collection of about 1,500 wild, primitive and cultivated species and is willing to provide specialists with material from the pure species as well as from hybrids.