



A Survey of Andean Ascents
1961-1970



IML

A Survey of Andean Ascents: 1961-1970

Part I. Venezuela, Colombia, Ecuador, Peru.

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IN the years 1962 and 1963, the *American Alpine Journal* published "A survey of Andean ascents". It included climbs dating back to the activity deployed by the Andean Indians in the early 1400's to the year 1960 inclusive. This present survey attempts to continue the former by covering all traceable Andean ascents that took place from 1961 to 1970 inclusive. Hopefully the rest of the ascents (in Bolivia, Chile and Argentina) will be published in 1974.

The writer feels indebted to several mountaineers who readily provided invaluable help: the editor of this journal, Mr. H. Adams Carter, who suggested and directed this project; Messrs. John Ricker (Canada), Olaf Hartmann (Germany) and Mario Fantin (Italy), who all gave advice on several ranges, particularly in Peru. Besides, the following persons also provided important information that helped to solve a good many problems on the history and geography of Andean peaks: Messrs. D.F.O. Dangar and T.S. Blakeney (Great Britain), Ben Curry (Great Britain-Colombia), Ichiro Yoshizawa (Japan), Hans-Dieter Greul and Christian Jahl (Germany), J. Monroe Thorington, Stanley Shepard and John Peyton (United States) and Christopher Jones (Great Britain-United States). The American Alpine Club, through its secretary, Miss Margot McKee, helped immensely by loaning books and journals. To all these persons I express my gratitude.

This survey has been compiled mostly from mountaineering and scientific literature, as well as from correspondence and conversation with mountaineers. The abbreviations used to represent sources of information are as follows:

AAJ—*American Alpine Journal*, New York.

ACAB—*Anuario, Club Andino Bariloche*, Argentina.

AF—*Anuario, Federación de Andinismo de Chile*, Santiago.

AJ—*Alpine Journal*, London.

ALM—*Alpinisme et La Montagne*, Paris.

B—*Bollettino, Club Alpino Italiano*, Milano.

DA—*Die Alpen, Club Alpin Suisse*, Lausanne.

J—*Jahrbuch, Deutscher Alpenverein.*

MW—*Mountain World, Swiss Foundation for Alpine Research, Zürich.*

RM—*Rivista Mensile, Club Alpino Italiano, Milano.*

RPA—*Revista Peruana de Andinismo, Club Andinista Cordillera Blanca, Huaraz, Peru.*

S—*Sangaku, Japanese Alpine Club, Tokyo.*

p.c.—personal correspondence or communication.

Morales, *ACB*,—César Morales Arnao, *Andinismo en la Cordillera Blanca* (Lima, 1968).

Fantin, *op. cit.*—Mario Fantin, *Alpinismo italiano extraeuropeo* (Bologna, 1967).

Aymat, *op. cit.*—Antonio Aymat, *Los Andes, 400 años después* (Madrid, 1963).

DAV, *op. cit.*—Deutscher Alpenverein, Akademische Sektion München, *Münchener Anden-Kundfahrt 1967* (München, 1967).

Names of peaks preceded by the word *unnamed* are unofficial ones. Heights in meters have been transposed into feet with the aid of the conversion table of the Swiss Foundation for Alpine Research. Month, day and year are given, in that order, whenever possible. In a few cases, omissions have been corrected by the insertion of an item with a letter attached to the number of the ascent, such as 254a; the letter bears no connection between the mountains both using the same number. After the name and the height of peaks, each ascent is listed following an ordinal number. If a peak is listed here as an ascent other than first, it means that previous climbs have already been listed in "A survey of Andean ascents"; *AAJ* 1962 (pp. 155-192) and 1963 (pp. 425-452). Footnotes are also added in the case of ascents that were not surveyed at that time.

It is not possible for a work of this kind to be complete or wholly accurate. I apologize beforehand for errors and omissions. Please send corrections to the writer, c/o American Alpine Club, 113 East 90th Street, New York, N.Y. 10028, U.S.A.

Spelling of mountain names. I have used the following simple policy in the spelling of Indian mountain names: a) if an Indian sound can be represented by a Spanish letter, then this character will be used; b) if an Indian sound can not be represented by a Spanish character, then the spelling used by climbers in their reports has been kept. Therefore, the following Indian sounds have been represented, as they are found in Andean charts and maps, by Spanish letters:

w- plus a vowel: replaced by *hu*- plus a vowel (i.e., Sasawiny and Sasa-huiny).

k: replaced by hard *c* (when followed by *a*, *o* or *u*) or by *qu-* plus *e* or *i* (i.e., *Q'em* or *K'em*, now *Quemi*).

final *-q*: replaced by a final *-c* (i.e., *Gatuyoq* and *Gatyoc*).

q- plus a vowel other than *u*: replaced by *qu-* plus a vowel (i.e., *Colqepuncu* and *Colquepuncu*).

The following Indian sounds seem to have no representation in Spanish characters: *sh* (as in *Shallash*) and the initial *Cc-* (as in *Ccapana*). But perhaps even those Indian sounds that cannot be represented adequately in Spanish, will have to be represented by a more or less close Spanish character (i.e., *sh*, to be replaced by *ch*). It must be remembered that in the long run, all Andean maps will be printed in Spanish.

* * * *

Naming of peaks. Repeatedly the editor of this journal has deplored the complete disregard that some expeditions have shown for the culture and the peoples of the host countries, as well as for other mountaineers, when baptizing some peaks with totally inappropriate names. This is more so in the case of some large expeditions that have undertaken the systematic climbing of a whole range, which in turn resulted in the mass naming of peaks with entirely inadequate names.

A survey of this kind usually consists of statistics and facts, without editorials by the author. However, in the case of the naming of Andean peaks, I have found myself forced to break this custom, since my feelings run parallel to those expressed so repeatedly by the editor of this journal.

I have always thought that the ugliest mountain names occur in Russia; for example: Peak of the Great Patriotic War, Peak 100th Anniversary of the Russian Geographical Society, Peak of the Film Chronik (see "Bertsteiger chronik" in *Der Bergsteiger*, vol. 17, p. 46 for these and other examples). While it is true the Andes have been spared such an ordeal, beautiful Andean peaks have been given names that are an insult to the culture and the peoples of the Andean countries themselves. Examples:

- To thank their boss, who graciously gave them free time to climb mountains, climbers named a peak with his name (Colombian Andes),
- To express his gratitude to a banker who contributed monetary help, a well known climber named a peak after his benefactor (Vilcanota range, Peru),
- An expedition made a mass naming of summits, bestowing upon these names of wives, sweethearts, benefactors and friends of the climbers (Vilcanota range, Peru),
- Political names have not been absent either (Nevado Reforma Agraria, given to a peak in the Quimsa Cruz range, Bolivia, by a foreign expedition).

Names of this kind are particularly painful to see applied to the mountains of the Inca lands, most of which have the most beautiful and poetic names in the world (as Marcel Kurz said in *Berge der Welt*: ". . . In Peru und Bolivien sind die Bergnamen die Schönsten Ortsnamen der Welt"). Peru has suffered greatly. In some cases, climbers, with full knowledge of the existence of a fine local Inca name, did not hesitate to apply a second (unsuitable) name to the same mountain.

Several distinguished mountaineers have fought tenaciously to have this situation changed. The editor of this journal has influenced Peruvian local authorities to reject unsuitable names. John Ricker and Olaf Hartmann have made true crusades on behalf of the same cause, by discovering as many local names as possible in the Vilcanota and Carabaya districts and having them registered, thus beating to the punch possible offenders of the kind mentioned above. It is true that the local Andean climbers not only have done little to defend their own mountains, but they themselves have at times used poor judgment in naming peaks. In Central Argentina, for example, recently given names read like a telephone directory. But, at least in the case of Bolivia and Chile, the local climbing institutions have reserved the final decision as to whether to accept or reject new names.

It has happened at times that South American governments, in showing much goodwill toward foreign expeditions, place airplanes, navy ships, trucks and Army surveyors at the disposition of the latter (a courtesy that these governments never show for the native climbers who, after all, being the taxpayers, are the ones who pay for trucks, planes and ships). In some cases the foreigners have even influenced these governments, with the help of ambassadors and attachés, to have deplorable names accepted, thus circumventing name rules of the local climbers.¹ It is high time that these practices be ended for once and for all. They have already done enough harm.

For the foregoing comments and opinions I am solely responsible, but I apologize to no one.

I wish to take advantage of this opportunity to express the gratitude of a group of Andean mountaineers to climbers like Carter, Hartmann and Ricker and many others, known and unknown, who have followed the simple dictates of aesthetics and respect for the people and the culture of the host mountain country.

¹ In *Alpine Journal* 312 (1966), pp. 144-5, this problem of naming new peaks is reviewed in detail. The following recommendations have been extracted: ". . . local names should be employed, after consultation with the local inhabitants"; ". . . use some descriptive term, such as 'White Tooth' or the like, and turn it into the local language, and then submit that to the relevant survey authorities . . ."; and ". . . whenever simple, descriptive names are impossible, humorous names or names of nostalgic reference to the home country should be avoided. . . . Personal names are best avoided. . . . Short names are preferable to multiple names. . . ."—*Evelio Echevarría*.

VENEZUELA

Sierra Nevada de Merida

No ascents on unclimbed peaks recorded, although several points on high ridges have been climbed for the first time. Most peaks of this range have been ascended repeatedly.

Sierra de la Culata (Sierra del Norte)

No first ascents recorded.

Sierra de Santo Domingo (Sierra del Sur)

No first ascents recorded.

COLOMBIA

Sierra Nevada del Cocuy

1. *unnamed* (Pico Daniel), 5249 m (?), 17,222 ft. 2. J. Antolin, F. Petitpierre, 12.21.1970. *DA*, 3 (1971), pp. 171-8.
(Note: according to local hillmen, the name of Nevado Laguna seems to apply to this peak).
2. *unnamed*, ca. 5000 m., 16,404 ft. 1. Same as per nr. 1, but 12.22.1970.
3. *unnamed* (Pico Novell), height not stated. 1. B. Moser (p.c.).
4. *Cerro de la Plaza*, 4957 m., 16,266 ft. 4. Perhaps by R. Stoddart and members of Cambridge expedition, 1959. Pietro Meciani, *Le Ande* (Bologna, 1965), caption in picture, p. 25.

Cordillera Central

Only main ascents listed. Most peaks of this range have been ascended repeatedly.

5. *Nevado del Huila*, (Pico Mayor), ca. 5300 m., 17,389 ft. 2. R. Dietz, P. Ritterbush, S. Salva, J. Ullin, 1.9.1970. *AAJ* 1970, pp. 154-5.

Sierra Nevada de Santa Marta

6. *Pico Colón*, 5775 m. 18,947 ft. 4. H. Ando, K. Ohta, R. Yamamoto, 7.13.1967. *S*, 1968, pp. 184-198 and *AAJ* 1968, p. 187.
5. A. Kokue, T. Wada, 7.31.1967. *S*, 1968, pp. 184-198 and *AAJ* 1968, p. 187.
6. P. Feyling, P. Hathaway, C. Kaska, E. Lightfoot, J. Vonnahme, 2.22.1968. *AAJ* 1969, p. 419.
7. L. McIntyre, R. Pazmiño, 9.10.1968 (p.c.).
7. *Pico Bolívar*, 5775 m. 18,947 ft. 6. B. Curry, R. Perry, 1.1963 (p.c.).
7. H. Ando, K. Ohta, R. Yamamoto, T. Wada, 7.28.1967. *S* 1968, pp. 184-198 and *AAJ* 1968, p. 186.

8. *Pico Simmons*, 5660 m., 18,570 ft. 2. D. Goodwin, J. Peyton, 8.19.1965. *App.* 2 (1965), p. 712.
3. H. Ando, R. Yamamoto, 7.20.1967. *S* 1968, pp. 184-198 and *AAJ* 1968 p. 187.
4. K. Ohta, T. Wada, 7.25.1967. *S* 1968, pp. 184-198 and *AAJ* p. 187.
9. *Pico Santander*, ca. 5600 m., 18,373 ft. 5. R. Yamamoto, 7.30.1967. *S* 1968, pp. 184-198 and *AAJ* 1968, p. 187.
(*Note*: this peak has been previously known as "Gansser's Eighteen-thousander" and as "Gansser Peak". See entry nr. 15 in *AAJ* 1962, p. 158).
10. *Pico La Reina*, 5535 m., 18,158 ft. 7. B. Moser, D. Taylor, 1961. B. Moser and D. Taylor. *The Cocaine Eaters* (London, 1965), pp. 97-103.
8. V. Hoeman, 12. 1964. *AAJ* 1965, p. 441.
9. H. Ando, K. Ohta, 9.8.1967. *S* 1968, pp. 184-198 and *AAJ* 1968, p. 187.
10. L. McIntyre, R. Pazmiño, 9.13.1968 (p.c.).
11. *Pico Ojeda*, 5490 m., 18,012 ft. 8. Three members of 1965 expedition of Explorers Club, 8.1965. *App.*, 2 (1965), p. 706.
9. H. Ando, K. Ohta, 7.31.1967. *S* 1968, pp. 184-198.
12. *unnamed* (Oriente de Simmons), 5490 m., 18,012 ft. 1. K. Ohta, R. Yamamoto, 7.26.1967. *S* 1968, pp. 184-198 and *AAJ* 1968, p. 187.
13. *unnamed* (Tridente), 5415 m., 17,765 ft. 1. K. Ohta, R. Yamamoto, 7.26.1967. *S* 1968, pp. 184-198 and *AAJ* 1968, p. 187.
14. *unnamed* (Nieve de Naboba), ca. 5300 m., 17,389 ft. 1. D. Goodwin, M. Tobias, 8.22.1965. *App.* 2 (1965), p. 713.
2. R. Yamamoto, 7.31.1967. *S* 1968, pp. 184-198 and *AAJ* 1968, p. 187.
15. *unnamed* (El Professor), ca. 5300 m., 17,389 ft. 1. J. Peyton, 8.17.1965. *App.* 2 (1965), pp. 711-12.
2. H. Ando, R. Yamamoto, 7.20.1967. *S* 1968, pp. 184-198 and *AAJ* 1968, p. 187.
16. *unnamed*, (Nevado Tesoro), ca. 5250 m., 17,225 ft. 1. K. Ohta, T. Wada, 7.21.1967. *S* 1968, pp. 184-198 and *AAJ* 1968, p. 187.
17. *Pico Chirigua*, ca. 5250 m., 17,225 ft. 1. Perhaps by A., L. and V. López de Ceballos, J. Monsalve, J. Pons, 1966, (p.c.).
(*Note*: Chirigua is a local name, unrecorded on maps, for this peak, which its first climbers christened 'Panamericano').
18. *unnamed* (Nueva Vista), ca. 5100 m., 16,733 ft. 1. D. Goodwin, N. Tobias, 8.19.1965. *App.* 2 (1965), p. 713.
2. H. Ando, R. Yamamoto, 7.21.1967. *S* 1968, pp. 184-198.
19. *Pico Juanita*, ca. 5100 m., 16,733 ft. 2. J. Peyton, 8.13.1965. *App.* 2 (1965), pp. 708-9.

3. D. Goodwin, 8.21.1965. *App.* 2 (1965), p. 709.
4. Same information as for nr. 17.
20. *unnamed*, 5070 m., 16,634 ft. 1. K. Ohta, T. Wada, R. Yamamoto, 7.22.1967. *S* 1968, pp. 184-198 and *AAJ* 1968, p. 187.
21. *unnamed*, 5040 m., 16,536 ft. 1. Same information as for nr. 20.
22. *unnamed*, 5020 m., 16,470 ft. 1. Same information as for nr. 20.
23. *unnamed* (Shizuoka), 5020 m., 16,470 ft. 1 Same information as for nr. 20.
24. *unnamed* (Pico Neiva), ca. 16,200 ft. 1. J. Peyton, 8.19.1965. *App.* 2 (1965), pp. 712-3.
25. *unnamed* (Pico Esmeralda), 4930 m., 16,175 ft. 1. H. Ando, K. Ohta, R. Yamamoto, T. Wada, 7.24.1967. *S* 1968, pp. 184-198 and *AAJ* 1968, p. 187.
26. *unnamed* (Mission Peak), ca. 14,300 ft. 1. S. Cochrane, B. Mosley, P. Oliver, R. Walling, D. Wardsworth. 1. 1962, *App.* 2 (1963), p. 643.

(Notes: the following peaks were also ascended by 1967 Japanese party, with no names of climbers or dates or ascent given: 4880 m., 16,001 ft.; 4290 m., 16,142 ft.; 4980 m., 16,339 ft.; 4940 m., 16,208 ft.; 4970 m., 16,306 ft.; 4895 m., 16,060 ft.; 4875 m., 15,994 ft.; 4880 m., 16,011 ft.; 4890 m., 16,044 ft.; 4920 m., 16,142 ft.; 4980 m., 16,339 ft.; see *AAJ* 1968, p. 187.)

The British 1960-61 Expedition under Frank Cunningham ascended three peaks of the Picos Taironas ridge in January 1961; from east to west of La Reina, these peaks were given the numbers 4, 5 and 6. Heights and exact location has not been found; see *Geographical Magazine* 2 (London, 1963), pp. 575-88.)

ECUADOR

Cordillera Oriental

Only new peaks are listed. Most of the other peaks, in both the Cordillera Oriental as well as the Cordillera Occidental, have been ascended repeatedly.

27. *Antisanilla*, ca. 5600 m., 18,373 ft. 1. A. Gruft, D. Jones, November 1963 (p.c.).
2. E. Bernbaum, L. Droira, R. Pazmiño, 8.22.1964. *B* 1967, p. 276.
(Note: In source quoted, the second ascent was claimed as a first, since Gruft and Jones had made no report.)
28. *Obispo*, 5319 m., 17,451 ft. 1. F. Gaspard, M. Tremonti, C. Zardini, 7.7.1963. *B* 1967, pp. 274-6.
2. M. Cruz, L. Salazar, R. Pazmiño, 12.27.1963. *B* 1967, p. 276.
3. T. Hayakawa, T. Tsunoda, 6.28.1964. *AAJ* 1965, p. 442.
4.

5. P. Williams, S. Hinohara and Ecuadorians, August 1968. *AAJ* 1969, p. 288.

(Note: Obispo is the highest peak of the Altar group. In 1939, an Italian-German party claimed the first ascent of two peaks of Altar. It has now been established by Signor Tremonti that that expedition had only ascended the twin peaks of Cubillín or Pailacajas, which is listed below. See *B* 1967, pp. 270-1.)

29. *Monja Grande*, 5317 m., 17,444 ft. (?). 1. W. Ross, M. Young, 8.17.1968. *AAJ* 1969, pp. 287-8.
2. R. Hechtel, S. Hinohara, 8.18.1968. *AAJ* 1969, p. 288.
30. *Canónigo*, ca. 5260 m., 17,257 ft. 1. F. Gaspard, M. Tremonti, C. Zardini, 7.3.1965. *B* 1967, pp. 276-7.
31. *Cerro de Cubillín* (Pailacajas), 4717 m., 15,480 ft.
 1. I. Formaggio, P. Ghiglione, W. Kühm, 7.13.1939. *B* 1967, pp. 268-9.
 2. Ecuadorian climbers, 1963. *B* 1967, p. 276.
 3. Ecuadorian climbers, 1965. *B* 1967, p. 276.

(Note: twin peaks of this mountain are usually ascended together. See also note for nr. 28).

PERU

Cordillera de Conchucos (Cordillera de Huarica)

32. *Nevado Rosco Grande*, 5188 m., 17,022 ft. 1. A. Hosano, S. Kinoshita, Y. Takayama, Y. Yokochi, 9.7.1965. *S* 1966, pp. 26-27 of English text and *AAJ* 1966, p. 167-8.
 33. *Nevado Aguaraju*, 5100 m., 16,733 ft. 1. Y. Takayama, Y. Yokochi, 9.7.1965. Same source as for nr. 32.
 34. *unnamed* (snow peak), 5100 m., 16,733 ft. A. Hosono, S. Kinoshita, 9.9.1965. Same source as for nr. 32.
 35. *unnamed*, (rock peak), 5100 m., 16,733 ft. 1. Y. Takayama, Y. Yokochi, 9.9.1965. Same source as for nr. 32.
 36. *Nevado Cuello Cóndor*, 5072 m., 16,640 ft. 1. P. Morales, M. Satoi, 9.10.1965. Same source as for nr. 32.
- (Note: O. Schlagintweit ascended in 1908 the "southern summit", 5100 m. high, of a 5300 m. steep massif covered with snow, which seems to correspond to the Conchucos range. The peak climbed may be a southern summit of Rosco Grande. See Lonsdale Library, editors, *Mountaineering* (London, 1950), pp. 329-330.)

Cordillera Blanca

This range appears to be the favorite of most Andean expeditions. Whenever possible, all ascents are listed. However, in the case of several peaks which are ascended much too often, listing has been kept to a reasonable minimum.

37. *Nevado Huascarán Sur*, 6769 m., 22,208 ft. 10. Y. Ogawa, S. Tanawa, 6.11.61. *AAJ* 1962, p. 261.
11. P. Acuña, F. Mautino, A. Pérez, S. Rivas, 7.18.1961. *AAJ* 1962, p. 261.
12. J. Anglada, F. Guillamón, J. Pons, 7.20.1961. *AAJ* 1962, p. 261.
13. W. Bassett, J. Filsinger, J. Moore, R. Tripp, 7.22.1963. *AAJ* 1964, p. 215.
14. R. Irwin, J. Fullop, E. Young, R. Watne, 7.24.1963. *AAJ* 1964, p. 215.
15. F. Blárido, P. Cabello, A., G., L. and P. Yánac, 7.28.1963. *RPA* 6, p. 42.
16. V. Josendal, G. Rose, M. Rees, H. and L. West, H. Williams, H. Zogg, 7.10.1964. *AAJ* 1965, p. 445.
17. V. Hoeman, D. Johnson, P. Robinson, 3.15.1966. *AAJ* 1967, p. 384.
18. A. Jácome, R. Paredes, R. Pazmiño, L. Sancho, H. Vásquez, 7.16.1966. C. Morales, *op. cit.*, p. 20.
19. V. Grimmer, A. Lux, 7.26.1966. *AAJ* 1967, p. 385.
20. P. Dix, R. Hart, 7.11.1967. *AAJ* 1968, p. 191.
21. B. Briggs, M. Daugherty, D. Webster, 8.2.1968. *AAJ* 1969, p. 425.
22. C. Lucero, M. Puig, 8.5.1968. *AAJ* 1969, p. 425.
23. H. Kato, M. Takeda, 9.2.1968. *AAJ* 1969, p. 434.
24. M. Cuesta, P. Tipán, C. Zuquillo, 11.9.1968. *RPA* 8, p. 43.
25. F. Broda, S. Messler, B. Segger, 6.15.1969. *AAJ* 1970, p. 156.
26. E. Meier, A. Sänger, 6.23.1969. *AAJ* 1970, pp. 157-8.
27. Eight members of Iowa Mountaineers expedition, 7.24.1969. *AAJ* 1970, p. 157.
28. Seven members of Iowa Mountaineers expedition, 7.26.1969. *AAJ* 1970, p. 157.
29. Y. Nakajima, K. Takahashi, 5.26.1970. *RPA* 9, Segunda Parte, p. 10.
30. Vladimir Kanunienko, Victor Gurmeniuk, Slava Romanoff, 8.24.1970. *RPA* 9, Segunda Parte, p. 11.
38. *Nevado Huascarán Norte*, 6655 m., 21,833 ft. 6. T. Fujiki, I. Nishimura, 6.9.1961. *AAJ* 1962, p. 261.
 7. F. Mautino, A. Soriano, 8.10.1963. *RPA* 6, p. 42.
 8. A. Fellinger, F. Mautino, P. Müller, 7.10.1965. *MW* 1966/67, pp. 157-62.
 9. D. Reist, O. Zbinden, 7.11.1965. Same source as for 8th ascent.
 10. R. Jacob, C. Jacoux, D. Leprince-Ringuet, R. Paragot, 7.10. 1966. *AAJ* 1967, pp. 383-4.
 11. L. Bérardini, G. Payot, Y. Seigneur, 7.11.1966. *AAJ* 1967, p. 384.

12. Y. Kato, H. Makino, H. Yamamoto, 8.31.1968. *AAJ* 1969, p. 434.
13. R. Aramburu, E. Colombero, 7.15.1969. *AAJ* 1970, p. 156.
14. J. Vogt, F. Weidmann, 7.21.1970. *AAJ* 1971, p. 408.
15. J. Huamán, H. Hauer, M. Morales, 7.22.1970. *AAJ* 1971, p. 408.
16. H. Karasek, H. Höbrick, M. Rogge, 7.27.1970. *AAJ* 1971, p. 408.
39. *Nevado Chopicalqui*, 6400 m., 20,998 ft. 3. G. Kämpfe, C. Schiel, 7.18.1961. *AAJ* 1962, pp. 115-117.
4. K. Bogner, E. Erdmann, R. Hechtel, 7.18.1961. *AAJ* 1962, pp. 115-117.
5. Ten members of Iowa Mountaineers, 7.18.1961. *AAJ* 1962, p. 256.
6. J. Ebert, H. Slapschi, H. Walton, 7.19.1961. *AAJ* 1962, pp. 256-7.
7. T. Cosgrove, E. Lane, 7.8.1966. *AAJ* 1967, p. 389.
8. A. and R. Erb, T. MacNicholas, W. Hunt, 7.12.1966. *AAJ* 1967, p. 389.
9. J. Hall, P. Pennington, B. Ross, 8.13.1967. *AAJ* 1968, p. 192.
10. M. Clarbrough, G. Wayatt, 6.21.1969. *AJ* 1970, pp. 13-16.
40. *Nevado Huandoy Norte*, 6395 m., 20,980 ft. 6. V. Grimmer, A. Lux, 6.15.1966. *AAJ* 1967, p. 385.
41. *Nevado Pulcaraju*, 6274 m., 20,583 ft. 2. H. Abrons, D. Doody, T. Frost, H. Hultgren, G. Matthews, L. Ortenburger, H. Kendall, 7.10.1964. *AAJ* 1965, pp. 267-74.
3. K. Baker, G. Holdsworth, L. Irwin, J. Ricker, 8.3.1965. *AAJ* 1966, pp. 168-9.
43. *Nevado Chinchey*, 6222 m., 20,413 ft. 4. W. Basset, J. Fullop, D. Johnson, J. Walker, H. Walton, 7.4.1963. *AAJ* 1964, p. 214.
5. J. Filsinger, S. Lagace, T. Young, 7.6.1963. *AAJ* 1964, p. 214.
6. E. Gibson, J. Hough, R. Irwin, J. Petroske, J. Wyss, 7.12.1963. *AAJ* 1964, p. 214.
7. S. Moore, S. Swartling, R. Wiegand, 7.25.1969. *AAJ* 1970, p. 157.
44. *Nevado de Copa* (Pamparaju), 6203 m., 20,351 ft. 3. D. Anderson, J. Humphreys, J. Richardson, 7.11.1962. *AAJ* 1963, pp. 359-61.
4. J. Terborgh, A. Jamanca, 7.17.1963. *AAJ* 1964, p. 217.
5. H. Abrons, D. Fium, J. Kendall, I. and L. Ortenburger, 6.28. 1964. *AAJ* 1965, pp. 267-74.
6. D. Doody, H. Hultgren, G. Matthews, 6.29.1964. *AAJ* 1965, pp. 267-74.
7. J. Halpern, A. Mears, B. and G. Roach, R. Wilson, 6.21.1968. *AAJ* 1969, p. 425.

45. *Nevado Ranrapalca*, 6162 m., 20,216 ft. 3. P. Baltazar, E. Vargas, 6.23.1963. *RPA* 6, p. 41 and *AAJ* 1964, p. 218. Various other ascents.
46. *Huandoy Sur*, 6160 m., 20,210 ft. 2. H. Abrons, T. Frost, H. and J. Kendall, I. and L. Ortenburger, 7.28.1964. *AAJ* 1965, pp. 267-74.
 3. J. Fonrouge, R. Suárez, 7.30.1968. *AAJ* 1969, p. 422.
 4. T. Sasaki, M. Nishiki, E. Noda, Y. Nakejima, 7.3.1970. *AAJ* 1972, p. 165.
47. *Nevado Pucaranra*, 6147 m., 20,168 ft. 5. K. Baker, G. Holdsworth, 8.17.1965. *AAJ* 1966, p. 169.
48. *Chacraraju*, 6113 m., 20,055 ft. 2. H. Abrons, D. Doody, T. Frost, L. Ortenburger, 8.23.1964. *AAJ* 1965, pp. 267-74.
49. *Quitaraju*, ca. 19,850 ft. 4. E. Cotter, D. Mackay, M. Nelson, 7.11.1964. *AJ* 309, pp. 217-27.
 5. D. Caldwell, D. Jensen, R. Peirce, 8.5.1964. *AAJ* 1965, p. 444.
 6. A. Fellinger, D. Reist, O. Zbinden, 7.23.1965. *MW* 1966/67, pp. 157-62.
 7. H. Jenni, F. Mautino, 7.25.1965. *MW* 1966/67, pp. 157-62.
 8. R. Goody, D. Morton, 6.30.1966. *AAJ* 1967, pp. 316-27.
 9. H. Saler, B. and K. Schreckenbach, H. Schmidt, K. Süsmilch, W. Weinzierl, 7.6.1969. *AAJ* 1970, pp. 33-7.
50. *Pucahirca Norte*, 6046 m., 19,837 ft. 1. J. Nakagawa, J. Nakazima, T. Nakamura, 6.12.1961. *S* 1962, pp. 22-65 and *AAJ* 1962, pp. 253-4.
 2. J. Amari, K. Kurachi, N. Maruyama, 6.13.1961. *S* 1962, pp. 22-65 and *AAJ* 1962, pp. 253-4.
51. *Toollaraju*, 6032 m., 19,790 ft. 3. E. Gibson, J. Hough, R. Watne, 7.7.1963. *AAJ* 1964, p. 214.
Various other ascents.
52. *Artisonranju*, 6025 m., 19,766 ft. 2. C. Hartman, E. Reiss, R. Schatz, S. Steiger, 8.19.1965. *DA* 1 (1967), pp. 26-31.
 3. P. Gessner, A. Koch, H. Schmidt, M. Steinbeiss, 7.8.1966. *AAJ* 1967, pp. 387-9.
 4. H. Caha, W. Kabl, 4.30.1967. *AAJ* 1968, p. 191.
 5. K. Schreckenbach, H. Saler, K. Süsmilch, 6.24.1969. *AAJ* 1970, pp. 32-7.
53. *Pucahirca Central*, 6014 m., 19,734 ft. 1. G. Dionisi, M. Fecchio, L. Ghigo, G. Marchese, 6.13.1961. *RM* 11-12 (1961), pp. 338-70.
54. *Huandoy Este*, over 6000 m. 2. J. Hudson, R. Laba, early July 1969. *AAJ* 1970, p. 160.
55. *Huaripampa (Chacraraju Este)*, ca. 6000 m., 19,686 ft.
 1. L. Dubost, P. Gendre, G. Magnone, J. Soubis, L. Terray, 8.5.1962. *ALM* 40 (1962), pp. 317-323.

2. J. Longuepin, L. Terray, 8.6.1962. *ALM* 40 (1962), pp. 317-323.
3. L. Gevril, A. Parat, J. Puiseux, R. Sandoz, 8.7.1962. *ALM* 40 (1962), pp. 317-323.
56. *Pucahirca Oeste*, 6000 m?, 19,686 ft. 1. P. Glasgow, P. Gough, O. White, J. Stanton, H. Wilson, 7.16.1970. *AAJ* 1971, pp. 397-8.
57. *Atunraju (Pamparaju)*, 5986 m., 19,637 ft. 1. R. Kirch, L. Landa, J. Lorente-Sugaza, J. Feliú, F. Luzarreta, A. Rosen, J. Sáez, J. Vililar, 7.21.1967. *AAJ* 1968, pp. 187-8.
58. *Nevado Alpamayo*, 5947 m., 19,510 ft. 2. Y. Hamano, M. Inokuchi, N. Kaburaki, T. Kondo, A. Murai, Y. Yoshikawa, 8.13.1962. *AJ* 316 (1968), p. 109 and *AAJ* 1963, pp. 505-6.
3. D. Bathgate, R. Smith, 7.8.1966. *AJ* 314 (1967), pp. 18-24.
4. J. Amatt, D. Bathgate, T. Burnell, D. Gray, 7.10.1966. *AJ* 314 (1967), pp. 18-24 and *AAJ* 1967, pp. 386-7.
5. P. Gessner, A. and J. Koch, H. Schmidt, M. Steimbeiss, 7.8.1966. *AAJ* 1967, pp. 388-9.
6. J. Ricker, N. von Tunzelmann, 7.24.1968. *AAJ* 1969, p. 421.
7. H. Schmidt, W. Weinzierl, 6.26.1969. *AAJ* 1970, pp. 32-7.
8. J. Jolly, J. Stanton, 7.6.1970. *AAJ* 1971, pp. 397-8.
59. *Aguja Nevada*, 5886 m., 19,308 ft. 1. G. Arcari, A. Pizzocolo, V. Taldo, 6.25.1965. *AAJ* 1966, p. 166.
(Note: this entry refers to the first ascent of this peak. The Swiss 1959 expedition only reached the lower summit at 5840 m. See *AAJ* 1962, p. 168, entry 104).
60. *Nevado Ocshopalca*, 5881 m., 19,295 ft. 1. A. Miyashita, T. Sato, 7.10.1965. *AAJ* 1966, pp. 165-6.
(Note: a German-American expedition reached a point only 15 ft. below the top in 1961; see *AAJ* 1962, pp. 107-18).
61. *Nevado de Ulta*, 5875 m., 19,275 ft. 1. K. Bogner, R. Hechtel, G. Kämpe, D. Liska, 7.5.1961. *AAJ* 1962, pp. 107-18.
62. *Nevado Santa Cruz Norte*, 5840 m., 19,160 ft. 1. T. Hayashi, K. Kokobashi, A. Miyashita, M. Nishigori, 7.24.1967. *S.* 1968, pp. 80-101.
63. *Nevado Pisco Oeste*, ca. 5800 m., 19,029 ft. 6. H. Ferro, A. Soriano, A. and L. Yánac, 8.10.1962. César Morales, *ACB*, p. 22.
Various other ascents.
64. *Tullparaju*, 5787 m., 18,987 ft. 1. D. Bernays, L. Patterson, C. Sawyer, 7.24.1962. *AAJ* 1963, pp. 344-54.
65. *Ichikulta*, 5770 m., 18,931 ft. 1. L. Irwin, J. Ricker, 7.27.1966. *AAJ* 1967, p. 390.
66. *Paccharaju*, 5741 m., 18,835 ft. 1. D. Anderson, A., L., and P. Carter, R. Goody, J. Humphreys, H. McDade, J. Richardson, C. Staples, 7.4.1962. *AAJ* 1963, pp. 355-61.

67. *Uruashraju*, 5735 m., 17,815 ft. 1. D. Giobbi, C. Mauri, 6.17.1966. *AAJ* 1967, pp. 385-6.
68. *Nevado Pongos*, 5711 m., 18,737 ft. 2. E. and M. Angeles, D. Giobbi, 8.10.1964. *AAJ* 1965, pp. 442-3.
69. *Cashán Oeste*, 5701 m., 18,705 ft. 1. D. Anderson, L. Carter, J. Miller, 7.4.1967. *AAJ* 1968, pp. 1-9.
70. *Nevado Rurec*, 5695 m., 18,685 ft. 1. E. Angeles, A. Carter, D. Giobbi, 7.17.1965. *AAJ* 1966, pp. 59-62.
2. Y. Konatsu, A. Yamada, 7.25.1967. *S* 1968, pp. 80-101 and *AAJ* 1968, pp. 189-190.
71. *Caullaraju*, 5686 m., 18,656 ft. 1. E. and M. Angeles, D. Giobbi, 7.14.1962. *MW* 1962/63, pp. 197-207 and *AAJ*, 1963, p. 506.
(Note: this entry cancels ascent erroneously reported by Vinci's party in 1953. See *AAJ* 1962, p. 170, entry 120, and discussion in *MW*).
72. *Pongos Norte*, 5680 m., 18,635 ft. 1. E. and M. Angeles, D. Giobbi, 6.6.1964. *MW* 1964-65, pp. 101-8 and *AAJ* 1965, pp. 442-3.
73. *Tayapampa*, 5674 m., 18,618 ft. 1. R. Goody, D. Morton, 7.11.1966. *AAJ* 1967, pp. 316-21.
2. J. Ricker, N. von Tunzelmann, late July 1968. *AAJ* 1969, p. 421.
3. J. Stanton, H. Wilson, 6.13.1970. *AAJ* 1971, pp. 397-8.
74. *unnamed*, 5675 m., 18,618 ft. 1. S. Colbeck, D. Ewers, I. Jirak, 8.1.1963. *AAJ* 1964, p. 216.
75. *Yahuarraju*, 5675 m., 18,618 ft. 1. D. Giobbi, A. Carter, E. Angeles, 7.16.1965. *AAJ* 1966, pp. 59-62.
2. K. Kokabashi, A. Miyashita, 6.22.1967. *S* 1968, pp. 80-101 and *AAJ* 1968, p. 189.
3. K. Hamada, T. Hayashi, Y. Komatsu, M. Nishigori, A. Yamada, 6.26.1967. *S* 1968, 80-101 and *AAJ* 1968, p. 189.
4. R. Cundiff, L. Duelsberg, D. Liska, G. Oetzel, 7.26.1967. *AAJ* 1968, p. 190.
76. *unnamed*, 6570 m., 18,603 ft. 1. L. Irwin, J. Ricker, 7.27.1967. *AAJ* 1968, p. 390.
77. *Churihuauqui*, 5665 m., 18,588 ft. 1. D. Anderson, L. Carter, J. Richardson, 7.4.1962. *AAJ* 1963, pp. 355-61.
78. *Parónraju*, 5650 m., 18,537 ft. 1. M. Acevedo, C. Greaves, 9.5.1969. *AAJ* 1970, p. 162.
(Note: peak not located; it may correspond to another peak already ascended).
- 78a. *Ayukaraju*, 5647 m., 18,527 ft. 1. R. Kirch, A. Landa, F. Lasarreta, A. Rosen, 6.30.1967. *AAJ* 1968, p. 188.
79. *Elola*, 5650 m., 18,537 ft. 1. J. Anglada, J. Guillamón, J. Pons, 7.18.1961. *AAJ* 1962, p. 261.
80. *Brasil*, 5636 m., 18,491 ft. 1. A. and M. Angeles, D. Giobbi,

- 7.18.1961. *AAJ* 1962, p. 257.
2. V. Angeles, D. Flores, R. Matsuda, 5.22.1966. *AAJ* 1969, p. 426.
3. T. Miura, H. Nemoto, T. Osawa, F. Suzuki, 5.24.1966. *AAJ* 1969, p. 426.
- (Note: second and third ascents were firstly reported to have been done on Caullaraju in *AAJ* 1967, p. 390).
81. *San Martín*, 5630 m., 18,471 ft. 1. S. Colbeck, D. Ewers, K. Heathershaw, I. Jirak, 7.1.1963. *AAJ* 1964, p. 216.
82. *Chopicalqui Este*, 5605 m., 18,389 ft. 1. D. Drake, G. Holdsworth, 8.14.1968. *AAJ* 1969, p. 421.
2. F. Kerr, late June 1969. *AJ* 1970, p. 211 and *AAJ*, 1970, p. 160.
83. *Jancorurish*, 5601 m., 18,377 ft. 1. A. Ames, F. Mautino, 8.16.1965. *AAJ* 1966, p. 171 and *AAJ* 1967, p. 389.
2. J. Stanton, H. Wilson, 6.6.1970. *AAJ* 1971, p. 398.
84. *Loyac-hirca*, ca. 5600 m., 18,373 ft. 3. E. Cotter, D. Mackay, M. Nelson, 7.10.1964. *AJ* 309, pp. 217-27.
4. D. Caldwell, P. Dix, D. Peirce, 8.4.1964. *AAJ* 1965, p. 444.
85. *Ichic-churihuaqui*, 5600 m., 18,373 ft. 1. P. Carter, R. Goody, J. Humphreys, J. Richardson, C. Staples. 7.5.1962. *AAJ* 1963, pp. 355-61.
86. *Raria*, 5590 m., 18,340 ft. 1. M. Angeles, D. Giobbi, D. Solano, 8.2.1963. *MW* 1964/65, pp. 101-18.
87. *Nevado Perlilla*, 5587 m., 18,330 ft. 1. M. Ishinabe, A. Kurihara, A. Miyahara, S. Ooe, T. Suzuki, 7.14.1966. *AAJ* 1967, p. 391.
88. *Shumacraju*, 5582 m., 18,313 ft. 1. E. and M. Angeles, D. Giobbi, 7.20.1961. *AAJ* 1962, p. 257.
89. *Chugllaraju*, ca. 5575 m., 18,291 ft. 1. K. Bogner, E. Erdmann, C. Schiel, 7.12.1961. *AAJ* 1962, pp. 107-18.
- 89a. *Condormina Sur* (in Copac Group), 5566 m., 18,262 ft. 1. J. Hough, S. Turner, 3.8.1963. *AAJ* 1964, p. 215.
90. *Pumahuacanca*, 5563 m., 18,252 ft. 1. H. Clark, A. McKeith, 6.24.1969. *AAJ* 1970, pp. 161-2.
91. *Aquilpo Norte*, 5560 m., 18,242 ft. 1. F. Matsushima, K. Yamaguchi, Y. Yoda, 7.12.1968. *AAJ* 1969, p. 426.
- (Note: in this account, Aquilpo Norte is incorrectly referred to as Aquilpo Sur).
92. *Pucarashta*, 5550 m., 18,209 ft. 1. J. Ricker, N. von Tunzelmann, 7.28.1968. *AAJ* 1969, p. 421.
- (Note: in this account, Pucarashta is mentioned with no name and referred to as "a lesser snow peak").
2. A. Buchanan, S. Milard, H. Wilson, 7.4.1970. *AAJ* 1971, p. 398.
93. *Abeja*, 5550 m., 18,209 ft.? 1. Y. Komatsu, Y. Yokochi, 6.21.1967. *S* 1968, pp. 80-101 and *AAJ* 1968, p. 189.

94. *Delgado Ubeda*, 5550 m., 18,209 ft. 1. P. Acuña, A. Pérez, S. Rivas, 7.17.1961. Morales, *ACB*, p. 25 and *AAJ* 1962, p. 261.
95. *Ranraju*, 5530 m., 18,143 ft. 1. F. Atusparia, A. Jamanca, L. Montero, 7.13.1966. *RPA* 8, p. 17.
96. *Ishinca*, 5530 m., 18,143 ft. 6. G. and M. Costa, C. MacArthur, R. Patrucco, H. Vargas, 6.16.1961. Morales, *ACB*, p. 20.
Various other ascents.
97. *Raria Sur*, 5530 m., 18,143 ft. 1. H. Gasser, D. Solano, 6.10.1959. *AAJ* 1960, p. 142.
98. *Aquilpo Sur*, 5520 m., 18,111 ft. 1. J. Fullop, S. Turner, R. Watne, 7.14.1963. *AAJ* 1964, p. 215.
2. R. Davies, H. Graafland, E. Kleine, F. Petousis, 7.28.1965.
AAJ 1966, p. 170.
3. K. Kato, P. Morales, M. Sakai, 7.2.1968. *AAJ* 1969, p. 426.
4. R. Bierstedt, F. González, 7.28.1968. *AAJ* 1969, pp. 271-7.
5. H. Calduaflores, A. Ketchin, G. Ziegler, 7.28.1968. *AAJ* 1969, pp. 275-7.
99. *México*, 5520 m., 18,111 ft. 1. F. Atusparia, A. Jamanca, L. Montero, 7.13.1966. *RPA* 8, p. 17.
100. *unnamed*, ca. 18,100 ft. 1. A. Gregory, D. Solano, June 1963. *AJ* 308 (1964), pp. 88-94.
(*Note*: peak was described as ". . . a virgin snow and rock peak . . . which sprang from the ridge running north from Chacraraju").
101. *Curicashajanan*, 5510 m., 18,078 ft. 1. F. Comtesse, G. Hartmann, E. Reiss, H. and L. Spoerry, 8.5.1965. *DA* 1 (1967), pp. 26-31 and *AAJ* 1966, pp. 166-7.
2. B. Boller, R. Schatz, E. and G. Steiger, 8.6.1965. *DA* 1 (1967), pp. 26-31 and *AAJ* 1966, pp. 166-7.
102. *Millishraju I*, 5510 m., 18,078 ft. 1. B. Boller, E. Angeles, F. Comtesse, H. and L. Spoerry, 7.30.1965. *DA* 1 (1967), pp. 26-31 and *AAJ* 1966, pp. 166-7.
103. *Millishraju II*, 5500 m., 18,045 ft. 1. G. Hartmann, R. Schatz, 7.29.1965. *DA* 1 (1967), pp. 26-31 and *AAJ* 1966, pp. 166-7.
104. *Rajucacca*, ca. 5500 m., 18,045 ft. 2. G. Miglio, G. Piaz, 6.12. 1961. *RM* 11-12 (1961), pp. 338-70.
(*Note*: formerly called Punta Munich. Its altitude is probably only about 16,750 feet.)
105. *Perol*, 5500 m., 18,045 ft. 1. A. Jamanca, L. Montero, 7.13.1966. *RPA* 8, p. 17.
106. *Claudio*, 5500 m., 18,045 ft. 1. G. Arcari, C. Casati, G. Frigerio, F. Nusdeo, A. Pizzocolo, V. Taldo, 6.30.1965. C. Morales, *ACB*, p. 16 and *AAJ* 1966, p. 166.
107. *Loyacpani*, 5500 m. (?), 18,045 ft. 1. J. Diamond, A. Jamanca, T. Terborgh, 7.9.1963. *AAJ* 1964, p. 217.
108. *Urus Central*, 5495 m., 18,028 ft. 1. A. Ames, J. Huamán, 7.27.

1964. C. Morales, *ACB*, p. 26.
Various other ascents.
109. *Nevado Churup*, 5493 m., 18,022 ft. 1. M. Inoguchi, N. Yoshi-kawa, 7.18.1962. Morales, *ACB*, p. 18 and *AAJ* 1963, pp. 505-6.
110. *Isabella*, 5475 m., 17,962 ft. 1. P. Fornelli, A. Garimoldi, 6.11. 1961. *RM* 11-12 (1961), pp. 338-70 and *AAJ* 1962, p. 253.
111. *Atlante*, 5465 m., 17,930 ft. 1. A. Ketchin, G. Ziegler, 8.3.1968. *AAJ* 1969, pp. 275-7.
112. *Paccha (Bayoraju)*, 5460 m., 17,914 ft. 1. D. Anderson, J. Rich-ardson, C. Staples, 7.1.1962. *AAJ* 1963, pp. 355-61.
113. *Yanapaccha*, 5460 m., 17,914 ft. 5. T. Cosgrove, E. Lane, 7.2. 1966. *AAJ* 1967, p. 389.
6. A. and R. Erb, 7.7.1966. *AAJ* 1967, p. 389.
114. *Carioca*, 5460 m., 17,914 ft. 1. E. and M. Angeles, D. Giobbi, 7.19.1962. *AAJ* 1963, pp. 506-7.
115. *Huaiyacu*, 5460 m., 17,914 ft. 1. E. and M. Angeles, D. Giobbi, 8.4.1963. *AAJ* 1964, pp. 215-16.
116. *Nevado Minas (San Juan Este)*, 5459 m., 17,910 ft. 1. D. Ewers, E. Henostroza, 6.23.1962. *RPA* 6, p. 49.
2. D. Bathgate, T. Burnell, J. Ricker, 8.11.1966. *AAJ* 1968, p. 193.
3. D. McClung, R. Newcomb, J. Sanders, 7.12.1969. *AAJ* 1970, p. 157.
117. *Allco*, 5454 m., 17,897 ft. 1. E. Erdmann, C. Schiel, 7.8.1961. *RPA* 5, p. 40.
118. *Uchuraju*, 5450 m., 17,881 ft. 1. J. Feliú, A. Landa, F. Lusarreta, J. Sáez, 6.16.1967. *AAJ* 1968, pp. 187-8.
119. *Urus Oeste*, 5450 m., 17,881 ft. 1. G. Apotheloz, D. Bach, A. Bezinge, J. Fatton, C. Jacquet, G. de Rham, 8.3.1963. *AAJ* 1964, p. 217.
Various other ascents.
120. *Cajavilca*, 5450 m., 17,881 ft. 1. L. Irwin, J. Ricker, 7.22.1966. *AAJ* 1967, p. 390.
121. *Lagartija*, 5450 m., 17,881 ft. 1. B. and K. Schreckenbach, 7.11. 1969. *AAJ* 1970, pp. 32-7.
(Note: in quoted source, this peak is mentioned as unnamed).
122. *Caicoraju*, 5450 m., 17,881 ft. 1. A. Ames, F. Mautino, 8.15.1965. *RPA* 7, p. 30.
123. *Bolívar*, 5450 m., 17,881 ft. 2. N. Bloom, M. Robertson, L. Wolfe, 8.7.1963. *AAJ* 1964, p. 216.
(Note: This peak had been ascended by S. Durazin, I. Jirak, J. Muck, on 7.18.1958, who had reported it erroneously as Nevado Jangyaraju; see source quoted above for explanation).
124. *Aguja Nevada Chica*, 5450 m., 17,881 ft. 2. R. Goody, S. Pome-rance, 6.10.1964. *AAJ* 1965, pp. 443-4.
125. *Tururu*, 5440 m., 17,962 ft. 1. L. Patterson, C. Sawyer, 6.24.1962.

- AAJ* 1963, pp. 344-54.
126. *Huicsu*, 5437 m., 17,838 ft. 1. E. and M. Angeles, D. Giobbi, 7.26. 1963. *AAJ* 1964, p. 215.
 127. *Huamashraju (Yanahuacra)*, 5433 m., 17,825 ft. 3. F. Blácido, F. Cabello, A. and L. Yánac, 3.8.1963. *AAJ* 1964, p. 218.
 4. D. Anderson, D. Bernays, A. and L. Carter, J. Duenwald, G. Henostroza, J. and S. Miller, 7.9.1967. *AAJ* 1968, pp. 1-9.
 5. R. Cundiff, D. Liska, G. Oetzel, H. Walton, 8.4.1967. *AAJ* 1968, p. 190.
 128. *Copapamparaju (Portachuelo)*, 5430 m., 17,815 ft. 1. J. Filsinger, J. Hough, S. Turner, 6.29.1963. *AAJ* 1964, p. 214.
 129. *Jatunmontepuncu (Bayo)*, 5427 m., 17,806 ft. 3. V. Albión, L. Montero, 7.13.1965. *RPA* 7, p. 65.
Various other ascents.
 130. *Milluacocha Este*, 5420 m., 17,782 ft. 1. V. Angeles, Y. Hamano, M. Inokuchi, N. Kaburaki, 8.21.1962. *RPA* 6, pp. 45-6.
2. T. Kondo, P. Morales, A. Murai, H. Yoshikawa, 8.22.1962. *RPA* 6, p. 46.
 131. *Quimaraju*, 5406 m., 17,737 ft. 1. Y. Komatsu, A. Miyashita, 6.19.1967. *S* 1968, pp. 80-101 and *AAJ* 1968, p. 189.
2. R. Cundiff, L. Duelsberg, A. and D. Liska, M. Weinstein, 7.13.1967. *AAJ* 1968, p. 190.
(Note: in both ascents this peak was mentioned as unnamed; name was taken from Morales, *ACB*, p. 21).
 132. *Mancaraju*, ca. 5400 m., 17,717 ft. 1. R. Davies, H. Graafland, F. Kleine, F. Petousis, 7.23.1965. *AAJ* 1966, p. 170.
 133. *Arhueicacca*, ca. 5400 m., 17,717 ft. 1. H. Saler, K. Schreckenbach, K. Süßmilch, 6.18.1969. *AAJ* 1970, pp. 36-7.
 134. *Condorjitanca*, 5392 m., 17,690 ft. 1. E. and M. Angeles, D. Giobbi, 7.25.1963. *MW* 1964/65, pp. 101-18 and *AAJ* 1964, p. 215.
 135. *Huamashraju Este*, 5390 m., 17,684 ft. 1. R. Cundiff, D. Liska, G. Oetzel, H. Walton, 8.4.1967. *AAJ* 1968, p. 190.
 136. *Esparta*, 5390 m., 17,684 ft. 1. R. Davies, J. Graafland, 8.1.1965. *AAJ* 1966, p. 170.
 137. *Yanapaccha Norte*, 5380 m., 17,651 ft. 2. A. Blum, J. Hall, P. Pennington, B. Rose, P. Schindler, 7.29.1967. *AAJ* 1968, p. 192.
3. S. Asanami, S. Matsushima, M. Morales, K. Kato, K. Yamaguchi, Y. Yoda, 8.9.1968. *AAJ* 1969, p. 426.
4. N. Soga, H. Yamamoto, 9.7.1968. *AAJ* 1969, p. 434.
 138. *Quisuaraju*, 5380 m., 17,651 ft. 1. E. Angeles, B. Boller, R. Schatz, E. and G. Steiger, 7.26.1965. *DA* 1 (1967), pp. 26-31.
2. F. and M. Comtesse, H. and L. Spoerry, M. Fernández, 8.3. 1965. *DA* 1 (1967), pp. 26-31 and *AAJ* 1966, pp. 166-7.

139. "Motoko", 5377 m., 17,642 ft. 1. Y. Komatzu, Y. Yokochi, 6.21.1967. *S* 1968, pp. 80-101 and *AAJ* 1968, p. 189.
140. *Uruashraju Sur*, 5373 m., 17,618 ft. 1. F. Kojima, A. Miyashita, 5.22.1966. *RPA* 8, p. 19.
141. *Nevado "Kiso"*, 5369 m., 17,615 ft. 1. Y. Komatsu, A. Miyashita, 6.29.1967. *S* 1968, pp. 80-101 and *AAJ* 1968, p. 189.
142. *Uruashraju Chico (Pumahuacanca Chico)*, 5360 m., 17,585 ft. 1. M. Angeles, C. and D. Giobbi, 7.29.1964. *RPA* 7, p. 34 and *AAJ* 1965, p. 443.
(Note: Uruashraju Sur, 5373 m., and Uruashraju Chico, 5360 m., could well be both one mountain).
143. *Huaiyacu Este (Raria Chico Este)*, 5360 m., 17,585 ft. 1. E. and M. Angeles, D. Giobbi, 8.4.1963. *MW* 1964/65, pp. 101-18 and *AAJ* 1964, pp. 215-6.
144. *Nevado Rajutuna*, 5360 m., 17,585 ft. 1. A. and H. Gruft, E. Henostroza, 10.28.1963. *Morales ACB*, p. 22.
145. *Condorjitanca Chico*, 5360 m., 17,585 ft. 1. Same information as for Condorjitanca, 5392 m.
146. *Queñuaracra*, 5353 m., 17,562 ft. 1. E. Angeles, D. Giobbi, 7.12.1962. *AAJ* 1963, p. 506.
147. *Pucaraju*, 5349 m., 17,550 ft. 1. D. Bernays, G. Henostroza, 7.23.1967. *AAJ* 1968, pp. 1-9.
148. *Nevado Pampash*, 5335 m., 17,502 ft. 1. H. Arbaiza, M. Cadillo, R. Carrascal, 11.5.1967. *RPA* 8, p. 10 and *AAJ* 1968, p. 193.
149. *Maparaju*, 5326 m., 17,475 ft. 3. J. and S. Anderson, B. Glickman, B. Hawan, G. Patrills, O. Swartling, R. and S. Wiegard, 7.11.1969. *RPA* 9 (Segunda parte), p. 4 and *AAJ* 1970, p. 157. Various other ascents.
(Note: this name corresponds to the "Condor Peak" of the New Zealand Cayesh expedition; see *AAJ* 1962, p. 173, entry nr. 159).
150. *Vizcacha*, 5320 m., 17,454 ft. 1. K. Hamada, Y. Komatsu, A. Yamada, 7.27.1967. *S* 1968, pp. 80-101 and *AAJ* 1968, p. 189.
151. *Nevado Chaco*, 5320 m., 17,454 ft. 1. N. Bullard, F. Chamberlin, B. Downey, A. Lagace, J. Johnson, R. Neave, T. Young, 6.29.1963. *AAJ* 1964, p. 214.
 2. J. Fullop, D. and D. Lamonn, 6.30.1963. *RPA* 6, p. 57.
 3. B. Davies, H. Graafland, F. Kleine, F. Petousis, 7.13.1965. *AAJ* 1966, p. 170.
 4. J. Feliú, R. Kirch, F. Lusarreta, A. Rosen, 6.26.1967. *AAJ* 1968, pp. 187-8.
152. *Ishinca Chico*, 5350 m., 17,405 ft. 1. R. Roth, A. Schumacher, 6.12.1967. *RPA* 8, p. 33 and *AAJ* 1968, p. 193.
153. *unnamed*, ca. 5300 m., 17,389 ft. 1. I. Hama, K. Hamada, 6.22.1967. *S* 1968, pp. 80-101 and *AAJ* 1968, p. 189.

154. *unnamed*, ca. 5300 m., 17,389 ft. 1. A. Ames, F. Mautino, 8.14. 1966. *AAJ* 1967, p. 389.
155. *Ichicraju*, ca. 5300 m., 17,389 ft. 1. H. Clark, B. Erickson, S. Moore, 8.12.1969. *RPA* 9 (Segunda parte), p. 6 and *AAJ* 1970, p. 162.
156. *Purísima*, ca. 5300 m., 17,389 ft. 1. R. Aranda, A. Carter, E. and G. Henostroza, 6.30.1968. *AAJ* 1969, p. 424.
(Note: this peak appears on Kinzl's map as point 5177 m., but its climbers considered it to be closer to 5300 m.).
157. *unnamed in Copap group*, ca. 5300 m., 17,389 ft. 1. F. Chamberlin, E. Gibson, R. Lagace, R. Neave, S. Turner, 7.5.1963. *AAJ* 1964, p. 214.
Various other ascents. (In the source quoted it is called "Copap", obviously a misnomer, since the Copap group has at least five higher peaks).
158. *Pilanco Central*, 5300 m., 17,389 ft. 1. D. Atherton, R. Goody, D. Morton, R. Wylie, 7.7.1966. *AAJ* 1967, pp. 316-21.
159. *Urus Este*, 5300 m., 17,389 ft. 1. D. Leppert, J. Schmidt, 5.14. 1964. *RPA* 7, p. 35.
160. "Italia 61", ca. 5300 m., P. Fornelli, G. Garimoldi, G. Miglio, A. Rampini, 6.14.1961. *RM* 11-21 (1961), pp. 338-70.
161. *Pacarish*, 5276 m., 17,310 ft. 1. F. Chamberlin, R. Neave, J. Petroske, R. Strader, 7.15.1963. *AAJ* 1964, p. 215.
162. *Yanamarey*, 5262 m., 17,263 ft. 1. D. Anderson, D. Bernays, A. and L. Carter, J. Duenwald, G. Henostroza, E. and V. Angeles, 7.13.1967. *AAJ* 1968, pp. 1-9.
163. *Chacchipuncu Sur*, 5255 m (?), 17,241 ft. 1. T. Suzuki, T. Umemura, 7.20.1966. Morales *ACB*, p. 17 and *AAJ* 1967, p. 391.
(Note: this peak has not been located; The Kinzl Cordillera Blanca map, northern part, gives 5255 m. to the highest Chacchipuncu and the southern part gives 5280 for the same peak).
164. "El Caballo", ca. 5250 m., 17,225 ft. 1. J. Filsinger, N. Ellena, 7.21.1965. *AAJ* 1966, p. 169.
165. *Huamanripa*, 5250 m., 17,225 ft. 1. Y. Hamano, N. Kaburaki, P. Morales, A. Murai, 7.19.1962. Morales, *ACB*, p. 18.
166. *Pilanco Norte*, 5250 m., 17,225 ft. 1. Same information as for Pilanco Central, 5300 m., but 7.8.1966.
167. *Jatunmontepuncu Sur*, (Bayo Sur), 5240 m., 17,192 ft. 1. Iowa Mountaineers expedition (names not given), 7.1969. *AAJ* 1970, p. 157.
Various other ascents.
168. *Yanaraju (Ishinca Oeste)*, 5225 m., 17,142 ft. 1. (?) A. Ames, J. Huamán, F. Moreno, V. Tarazona, 7.29.1965, *AAJ* 1966, p. 171.
2. A. Ames, C. Bosquets, B. Etchegoyen, R. Garrote, 8.22.1965.

- AAJ* 1966, p. 171.
3. P. Roth, A. Schumacher, 6.12.1967. *RPA* 8, p. 33.
(Note: this third ascent was mentioned as a first in source quoted).
169. *Chacchipuncu Norte*, ca. 5180 m (?), 17,389 ft. 1. Same information as for Chacchipuncu Sur, 5360 m. (Identified in *AAJ* 1967 as Number 5 Peak of the group).
170. *Paccharaju Sur*, 5220 m., 17,043 ft. 1. A. and L. Carter, H. Mc-Dade, 7.8.1962. *AAJ* 1963, p. 359.
171. *Rimarima*, 5210 m., 17,093 ft. 3. Members of Iowa Mountaineers in or after July 1961. *AAJ* 1962, p. 257.
Various other ascents.
172. *Legiaraju*, 5200 m., 17,061 ft. 1. G. Robles, G. Torres, J. Varo, M. Yupanqui, 6.23.1963. *RPA* 6, p. 41.
173. "Superga", ca. 5200 m., 17,061 ft. 1. P. Fornelli, G. Garimoldi, S. Miglio, A. Rampini, 6.14.1961. *RM* 11-12 (1961), pp. 338-70.
174. *unnamed* (Milpocraju group), ca. 5200 m., 17,061 ft. 1. A. Carter and N. Adams, E. and G. Henostroza, 7.4.1969. *AAJ* 1970, p. 163.
175. *Urash*, 5170 m., 16,962 ft. 1. F. Kojima, A. Miyashita, 5.20.1966. *RPA* 8, p. 19.
176. *Uránraju*, 5165 m., 16,945 ft. 1. P. Roth, A. Schumacher, 6.10. 1967. *RPA* 8, p. 33 and *AAJ* 1968, p. 193.
177. *Pilanco Sur*, 5150 m., 16,897 ft. 1. Same information as for Pilanco Central, 5300 m., but 6.22.1966.
178. *Queñuaraca Chico*, 5147 m., 16,889 ft. 1. M. Angeles, D. Giobbi, 7.16.1962. *AAJ* 1963, p. 506.
179. *Conde*, 5141 m., 16,866 ft. 1. A. and L. Cram, 7.28.1966. *AJ* 314 (1967), p. 126.
180. *Pucashallah*, 5130 m., 16,831 ft. 1. N. Adams, O. Aranda, A. Carter, E. and G. Henostroza, 7.8.1969. *AAJ* 1970, p. 163.
181. *Chopiraju*, 5116 m., 16,785 ft. 1. P. Roth, A. Schumacher, 6.8. 1967. *RPA* 8, p. 33 and *AAJ* 1968, p. 193.
(Note: Point 5456 m., in the central district of the Cordillera Blanca, is also called Chopiraju; see *AAJ* 1962, p. 171, entry nr. 137).
182. *Cahuish*, 5115 m., 16,781 ft. 1. A. and L. Cram, 6.26.1966. *AAJ* 314 (1967), p. 126.
2. E. Avendaño, J. Castillo, V. Guzmán, R. Rosario, 8.6.1967. *RPA* 8, p. 10.
183. *Carhuac (San Cristóbal de Carhuac)*, 5110 m., 16,765 ft. 7. F. Blárido, F. Cabello, A. and L. Yánac, 7.20.1963. *RPA* 6, p. 41 and *AAJ* 1964, p. 218.
184. *Santa Cruz Norte*, ca. 5100 m., 16,733 ft. 1. A. Ames, P. Baltazar, 7.20.1965. *RPA* 7, p. 30.
(Note: another peak in the northern district of the Cordillera

- Blanca bears the same name; see above, Nevado Santa Cruz Norte, 5840 m.).
185. *Tararhuacocha*, 5100 m., 16,733 ft. 2. H. Clark, A. McKeith, 6.21.1969. *RPA* 9 (Segunda parte), p. 6.
(Note: this peak seems to correspond to Uruashraju Norte, ca. 5000 m., ascended by W. Dixon and J. Lasner on 8.20.1957; see *AAJ* 1958, p. 115.)
 186. *Jatungarbanzu*, 5057 m., 16,591 ft. 1. N. Adams, A. Carter, E. and G. Henostroza, 7.5.1969. *AAJ* 1970, p. 163.
 187. *Vallunaraju Sur*, 5000 m., 16,404 ft. 1. A. del Arroyo, C., D. and L. Morales, 7.31.1963. *RPA* 6, p. 42.
 188. *Choco*, 4965 m., 16,288 ft. 1. Members of Iowa Mountaineers expedition, 7.1969. *AAJ* 1970, p. 157.
Various other ascents.
 189. *unnamed*, 4950 m., 16,240 ft. 1. J. Ebert and three members of Iowa Mountaineers expedition, 7.1969. *AAJ* 1970, p. 157.

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190. *Nevado Yerupajá*, 6632 m., 21,759 ft. 2. L. Patterson, J. Peterek, 7.12.1966. *AAJ* 1967, pp. 307-15.
3. J. Crowley, D. Isles, 7.17.1966. *AAJ* 1967, pp. 307-15.
4. M. Ishinabe, T. Suzuki, 8.24.1968. *AAJ* 1967, p. 391.
5. D. Bates, L. Gallagher, 6.30.1968. *MW* 1968/69, pp. 138-45 and *AAJ* 1969, pp. 428-9.
6. F. Barry, J. Brooks, A. Sheppard, 7.2.1968. *MW* 1968/69, pp. 138-45 and *AAJ* 1969, pp. 428-9.
7. D. Adcock, G. Dingle, 7.3.1968. *MW* 1968/69, pp. 138-45 and *AAJ* 1969, pp. 428-9.
8. D. Bates, L. Gallagher, 7.4.1968. *MW* 1968/69, pp. 138-45 and *AAJ* 1969, pp. 428-9.
9. D. Caldwell, P. Dix, R. Hart, C. Jones, 7.29.1968, *AAJ* 1969, pp. 27-34.
10. S. Majerl, E. Wurm, 6.25.1969. *AAJ* 1970, p. 164.
191. *Nevado Siulá*, 6352 m., 20,841 ft. 2. A. Albrecht, M. Jordan, M. Sturm, H. Wels, G. Wolf, 6.15.1961. *J* 1962, pp. 176-81 and *AAJ* 1962, pp. 257-8.
3. J. Anglada, M. Muñoz, J. Pons, 6.23.1963, *AAJ* 1964, pp. 209-10.
4. R. Obster, P. Scholz, M. Sturm, 6.21.1966. *AAJ* 1967, pp. 322-5.
192. *Siulá Chico*, 6265 m., 20,555 ft. 1. R. Obster, P. Scholz, M. Sturm, 6.21.1966. *AAJ* 1967, pp. 321-5.
193. *Nevado Sarapo*, 6143 m., 20,155 ft. 2. T. Musha, A. Nakatsubo, 7.6.1966. *AAJ* 1967, pp. 392-3.
194. *Nevado Jirishanca*, 6126 m., 20,099 ft. 2. W. Haim, F. Kuen, A.

- Sager, L. Schlömmer, 6.20.1966. *AAJ* 1967, pp. 392-3.
3. T. Kato, H. Tanaka, 7.27.1967. *AAJ* 1968, p. 194.
4. N. Airoldi, L. Alippi, R. Cassin, C. Ferrario, G. Lafranconi, S. Liatti, A. Succhi, 7.6.1969. *RM* 2 (1971), pp. 47-51 and *AAJ* 1970, pp. 38-41.
195. *Yerupajá Chico (El Toro)*, 6121 m., 20,089 ft. 2. T. Akino, M. Honda, 7.14.1967. *AAJ* 1968, p. 195.
3. P. Habeler, R. Messner, 6.23.1969. *AAJ* 1970, p. 164.
196. *Nevado Rasac*, 6040 m., 19,817 ft. 3. F. Marx, E. Wyniger, 6.15. 1965. *AAJ* 1966, pp. 172-3.
4. C. Feitknecht, T. Marti, E. Schmied, 6.17.1965. *AAJ* 1966, pp. 172-3.
5. U. Marti, P. Roth, 6.18.1965. *AAJ* 1966, pp. 172-3.
6. E. Schili, E. Steuri, 6.11.1966. *AAJ* 1967, p. 394.
197. *Jirishanca Norte*, 6015 m., 19,733 ft. 1. G. Colliver, G. Denny, 7.30.1964. *AAJ* 1965, pp. 275-9.
2. L. Patterson, L. Wilson, 7.31.1964. *AAJ* 1965, pp. 275-9.
198. *Nevado Carnicero*, 5980 m., 19,620 ft. 1. H. Albrecht, E. Buncksack, M. Jordan, E. Wels, G. Wolf, 6.9.1961. *J* 1962, pp. 176-81 and *AAJ* 1962, pp. 257-8.
191. *Nevado Rondoy*, 5883 m., 19,301 ft. 1. P. Farrell, V. Walsh, 7.6.1963. *AJ* 308 (1964), pp. 106-118.
2. P. Bebbington, D. Condict, C. Powell, G. Sadler, D. Wall, 7.7.1963. *AJ* 308 (1964), pp. 106-118.
192. *Nevado Tsacra Grande*, 5774 m., 18,944 ft. 1. P. Bergamelli, N. and S. Calegari, P. Nava, 7.4.1964. *RM* 1965, pp. 355-80 and *AAJ* 1965, pp. 449-50.
2. A. Boniceli, M. Curnis, C. Nembrini, 7.5.1964. *RM* 1965, pp. 355-80 and *AAJ* 1965, pp. 449-50.
- (Note: the 1955 Austrian expedition ascended this peak to a point short below the top; at times this Austrian attempt has been mentioned as a first ascent; see *MW* 1955, p. 174.)
193. *Nevado Jurau*, 5674 m., 18,615 ft. 1. H. Albrech, M. Jordan, E. Wolf, 6.4.1961. *J* 1962, pp. 176-81 and *AAJ* 1962, pp. 257-8. G. Lapp, R. Obster, P. Scholz, C. Sturm, 6.29.1966. *AAJ* 1967, pp. 322-5.
194. *Yerupajá Este*, 5660 m., 18,570 ft. 1. D. Bennet, R. Brooks, K. Bryan, W. MacKenzie, M. Slesser, N. Tennent, 8.29.1964. Scottish Mountaineering Club, *Journal*, 156 (1965), pp. 97-103 and *AAJ* 1965, p. 447.
195. *Ancocancha Norte*, 5647 m., 18,528 ft. 1. (?) Unknown. Perhaps D. Leppert, J. Schmidt, on or before June 1964. *ACAB* 1967, pp. 101-3.
2. A. Bachmann, C. Comesaña, L. Fonrouge, 6.25.1964. *ACAB* 1967, pp. 101-3 and *AAJ* 1965, p. 448.

3. P. Bergamelli, S. Calegari, S. Curnis, C. Nembrini, 7.9.1964. *RM* 1965, pp. 355-80 and *AAJ* 1965, pp. 449-50.
196. *Nevado Ninashanca*, 5637 m., 18,495 ft. 2. W. Bonatti, B. Ferriero, S. Frigieri, A. Oggioni, 5.31.1961. *AAJ* 1962, p. 259.
3. G. Lapp, R. Marek, R. Obster, P. Scholz, C. and M. Sturm, 7.9.1966. *AAJ* 1967, p. 325.
4. H. Furuhata, Y. Wachi, 7.23.1967. *AAJ* 1968, p. 194.
5. K. Iwatami, F. Oestemer, 8.2.1967. *AAJ* 1968, p. 194.
197. *Rasac Central*, 5617 m., 18,430 ft. 1. C. Comesaña, J. Fonrouge, 6.13.1964. *ACAB*, 1967, pp. 101-3 and *AAJ* 1965, p. 448.
2. H. Steuri, 6.6.1966. *AAJ* 1967, p. 394.
198. *Rosario Sur*, 5616 m., 18,427 ft. 1. P. Bergamelli, N. and S. Calegari, N. Curnis, P. Nava, C. Nembrini, 7.12.1964. *B* 1967, p. 347 and *AAJ* 1965, pp. 449-50.
199. *Nevado Quesillo*, 5600 m., 18,373 ft. 1. W. Lindauer, H. Salgar, 8.10.1964. *AAJ* 1965, p. 449.
2. G. Lapp, R. Obster, 1.12.1966. *AAJ* 1967, pp. 322-5.
(Note: peak was first named Bavaria or Bayerland by its climbers).
200. *Rosario Norte*, 5596 m., 18,360 ft. 1. S. Calegari, M. Curnis, 7.11.1964. *B* 1967, pp. 346-8 and *AAJ* 1965, pp. 449-50.
2. T. Akino, T. Arai, 6.26.1967. *AAJ* 1968, p. 195.
201. *Cochapata Oeste*, 5590 m., 18,340 ft. 1. T. Kuribashi, H. Nakatsubo, 8.18.1966. *AAJ* 1967, p. 394.
202. *Santa Rosa Este*, 5578 m., 18,300 ft. 1. D. Solano, D. Yonekawa, 7.30.1965. *AAJ* 1966, p. 174.
203. *Cochapata Este*, 5560 m., 18,242 ft. 1. T. Musha, I. Shimada, M. Shirai, 8.18.1966. *AAJ* 1967, p. 394.
204. *Puscanturpa Sur*, 5550 m., 18,209 ft. 2 (?) J. Hensler, P. Baltazar, 7.6.1963. *AAJ* 1964, p. 214.
(Note: this ascent has also been described as the first on this peak, since it has been stated that the Austrian 1954 team did not reach the top; see *B* 1967, p. 335, and *MW* 1955, p. 179).
205. *Seria Central*, 5543 m., 18,185 ft. 1. S. Calegari, C. Nembrini, 7.14.1964. *B* 1967, pp. 343-6 and *AAJ* 1965, pp. 449-50.
2. M. Honda, T. Miyata, 6.27.1967. *AAJ* 1968, p. 195.
206. *Nevado Huaraca*, 5537 m., 18,166 ft. 1. H. Albrecht, M. Jordan, G. Wolf, 6.4.1961. *J* 1962, pp. 176-81 and *AAJ* 1962, pp. 257-8.
(Note: peak was first named Oberland by its climbers).
207. *Nevado Tsacra Grande Norte*, 5529 m., 18,140 ft. 1. C. Comesaña, J. Fonrouge, 6.20.1964. *ACAB* 1967, pp. 101-3 and *AAJ* 1965, pp. 447-9.
(Note: in quoted sources, peak is given 5716 m.).
208. *Nevado Tsacra Chico Norte*, 5513 m., 18,088 ft. 2. C. Comesaña, J. Fonrouge, 6.19.1964. *ACAB* 1967, pp. 91 and 101-2 and *AAJ* 1965, pp. 447-9.

3. R. Gurtler, P. Roth, 6.5.1965. *AAJ* 1966, p. 173.
4. T. Akino, M. Honda, T. Ichikawa, 6.23.1967. *AAJ* 1968, p. 195.
(*Note*: first ascent was made by M. Bachmann, K. Lugmayer, 6.28.1954; see *B* 1967, p. 349.)
According to first source quoted for second ascent, this peak has officially been named by Peruvian authorities Nevado San Martín de Tours).
209. *Cerro Bayo*, 5487 m., 18,003 ft. 1. N. and S. Calegari, M. Curnis, C. Nembrini, 7.16.1964. *B* 1967, pp. 346-8 and *AAJ* 1965, pp. 449-50.
210. *Nevado Tsacra Chico Oeste*, 5477 m., 17,970 ft. 1. N. Calegari, M. Curnis, 7.16.1964. *RM* 1965, pp. 355-80 and *AAJ* 1965, pp. 449-50.
211. *Nevado Jirishanca Chico*, 5467 m., 17,937 ft. 3. H. Albrecht, E. Buncksack, M. Jordan, H. Wolf, 5.31.1961. *J* 1962, pp. 176-81 and *AAJ* 1962, pp. 257-8.
4. J. Fonrouge, R. Fürst, W. Lindauer, 7.15.1964. *AAJ* 1965, p. 449.
5. A. Sager, F. Kuen, 6.30.1966. *AAJ* 1967, p. 393.
6. G. Lapp, R. Obster, P. Scholz, M. Sturm, 7.4.1969. *AAJ* 1967, p. 325.
7. W. Haim, L. Schlömmer, 7.7.1966. *AAJ* 1967, p. 393.
8. K. Iwatami, F. Oestemer, 6.27.1967. *S* 1968, pp. 50-63.
212. *Puscanturpa Central*, 5442 m., 17,852 ft. 1. J. Hensler, P. Baltazar, 6.30.1963. *AAJ* 1964, p. 214.
213. *Sueroraju*, 17,845 ft. 1. J. Hensler, E. Vargas, 7.4.1963. *AAJ* 1964, p. 214.
214. *Nevado Rajucollota*, 5427 m., 17,805 ft. 1. (?) Uncertain. Perhaps by D. Leppert, J. Schmidt, on or before June 1964. *B* 1967, pp. 365-6 and *ACAB* 1967, p. 103.
215. *Nevado Rajucollota Sur*, 5340 m., 17,520 ft. 1. (?) Uncertain. Same information as for nr. 214, Rajucollota.
216. *Jurauraju Sur*, 5340 m., 17,520 ft. 1. H. Gebauer, C. Hauser, J. Hensler, F. Marx, 6.25.1963. *AAJ* 1964, p. 214.
217. *Cerro Bayo Central*, 5325 m., 17,470 ft. 1. Unknown. Cairn found on top during second ascent. *B* 1967, p. 367.
2. M. Curnis, C. Nembrini, 7.16.1964. *RM* 1965, pp. 355-80 and *AAJ* 1965, pp. 449-50.
218. *Cuyoraju*, 5320 m., 17,454 ft. 1. J. Hensler, E. Vargas, 6.28.1963. *AAJ* 1964, p. 214.
219. *Jurauraju Norte*, 5310 m., 17,422 ft. 1. H. Gebauer, E. Schelling, W. Schnyder, 6.26.1963. *AAJ* 1964, p. 214.
220. *Jirishanca Chico Oeste*, 5270 m., 17,290 ft. 1. H. Furuhata, K. Iwatami, 7.18.1967. *AAJ* 1968, p. 194.

2. H. Arbaiza, N. Kobayashi, 7.27.1967. *AAJ* 1968, p. 194.
221. *Nevado Tapush*, 5259 m., 17,255 ft. 1. (?) Uncertain. Same information as for nr. 214, Rajucollota.
222. *Incahuain Norte*, 5256 m., 17,245 ft. 1. D. Bates, G. Dingle, 7.16.1968. *AAJ* 1969, p. 429.
223. *Nevado Rasac Norte*, 5247 m., 17,220 ft. 2. T. Marti, 6.3.1965. *AAJ* 1966, p. 173.
(Note: in source quoted, this ascent is mentioned as a third).
3. P. Roth, U. Marti, 6.17.1965. *AAJ* 1966, p. 173.
4. J. Felber, E. Schill, 7.3.1966. *AAJ* 1967, p. 394.
5. P. Roth, 7.18.1966. *AAJ* 1967, p. 394.
6. J. Brooks, 5.24.1968. *AAJ* 1969, p. 429.
7. B. and N. Carter, 8.29.1968. *RPA* 8, p. 49.
224. *Cutatambo*, 5245 m., 17,210 ft. 1. C. Hauser, M. Morales, 6.30.1963. *AAJ* 1964, p. 214.
225. *Casharaju*, 5200 m., 17,061 ft. 1. R. García, J. Magaña, 6.17.1966. *RPA* 8, p. 24.
226. *Llauche*, 5199 m., 17,058 ft. 1. P. Barry, D. Bates, J. and R. Brooks, G. Dingle, 7.17.1968. *AAJ* 1969, p. 429.
227. *Cerro Paria*, 5172 m., 16,969 ft. 1. W. Bonatti, B. Ferrario, A. Oggioni, 5.27.1961. *AAJ* 1962, p. 259.
2. H. Furuhata, K. Iwatami, N. Kobayashi, Y. Wachi, 7.10.1967. *AAJ* 1968, p. 194.
228. *Huacrish Norte*, 5167 m., 16,920 ft. 1. P. Roth, 6.19.1966. *AAJ* 1968, p. 194.
2. D. Bates, G. Dingle, A. Shepard, 7.8.1968. *AAJ* 1969, p. 429.
3. L. Gallagher, 7.10.1968. *AAJ* 1969, p. 429.
229. *Llamac*, 5137 m., 16,822 ft. 1. D. Bates, G. Dingle, 7.24.1968. *AAJ* 1969, p. 429.
230. *Santa Rosa*, 5085 m., 16,685 ft. 1. S. Callupe, M. Honda, T. Ichikawa, 7.16.1967. *AAJ* 1968, p. 195.
231. *Patarcocha*, 5067 m., 16,625 ft. 2. P. Barry, 5.24.1968. *AAJ* 1969, p. 429.
3. D. Adcock, 6.29.1968. *AAJ* 1969, p. 429.
232. *Jahua Este*, 5063 m., 16,610 ft. 1. R. Görtler, F. Marx, W. Utten-doppler, 6.21.1965. *AAJ* 1966, p. 173.
Various other ascents.
233. *Cerro México*, 5063 m., 16,610 ft. 2. L. Patterson, 7.12.1962. *RPA* 8, p. 124.
Various other ascents.
234. *Carhuaraju*, 5002 m., 16,410 ft. 1. H. Furuhata, T. Kato, 8.5.1967. *AAJ* 1968, p. 194.
235. *Gayoc Chico*, 5000 m., 16,404 ft. 1. H. Arbaíza, I. Kobayashi, 7.28.1967. *AAJ* 1968, p. 194.
(Note: name of peak has also been mentioned as *Gayco Chico*).

- 236. *SAM*, over 5000 m (?), 16,404 ft. 1. R. García, E. Mendoza, R. Saraiba, 7.3.1964. *RPA* 8, p. 125.
- 237. *Santa Marta*, over 5000 m (?), 16,404 ft. 1. R. García, E. Mendoza, R. Saraiba, 7.3.1964. *RPA* 8, p. 125.
- 238. *Minapata Este*, 4943 m., 16,217 ft. 1. K. and W. Merbz, 6.20. 1966. *RPA* 8, p. 22.
- 239. *Jahua Norte*, 4933 m., 16,184 ft. 1. R. Gürtler, F. Marz, W. Uttendoppler, 6.21.1965. *AAJ* 1966, p. 173.
- 240. *Jahua Sur*, 4927 m., 16,176 ft. 1. D. Adcock, 5.20.1968. *AAJ* 1969, p. 429.
2. P. Barry, 5.21.1968. *AAJ* 1969, p. 429.
- 241. *Siulacocha Central*, 4925 m., 16,157 ft. 1. (?) P. Barry, 7.22.1968. *AAJ* 1969, p. 429.
(Note: This only ascent recorded does not appear claimed as a first in source quoted).
- 242. *Siulacocha Este*, 5917 m., 16,132 ft. 1. (?) Same information as for nr. 241, Siulacocha Central, including note.
- 243. *Chirijirca*, 4900 m., 16,076 ft. 1. R. Araya, O. González, G. Mills, M. Morales, G. Muga, M. Puig, 7.19.1962. *AF* 1962, pp. 99-109.
- 244. *Leónhuacanán*, 4820 m., 16,814 ft. 1. (?) P. Barry, 7.22.1968. *AAJ* 1969, p. 429.
(Note: this ascent does not appear claimed as a first in source quoted).
2. D. Adcock, L. Gallagher, 7.22.1968. *AAJ* 1969, p. 429.

Cordillera Huallanca

Heights should be regarded cautiously. The Kinzl map of the Cordillera Blanca (southern part) only covers the northwest section of the Huallanca peaks. The rest appears to be unmapped. A sketch-map of the area immediately behind the Pachapaqui town and mine appeared in the *Bulletin* of the U.S. Geological Survey (1955, p. 1017), with heights that are rather low.

It is not clear if Nevado Pampash, 5335 m., until now listed in the Cordillera Blanca surveys (see nr. 149, above) belongs to the Cordillera Huallanca.

- 245. *Nevado Huallanca*, 5470 m (?), 17,946. 1. M. Angeles, D. Giobbi, J. Piotowski, 6.22.1968. *AAJ* 1969, p. 427.
- 246. *Cumbre de los Burros*, 5400 m., 17,717 ft. 1. M. Angeles, D. Giobbi, J. Piotowski, 6.22.1968. *AAJ* 1969, p. 427.
2. L. Assumpção, S. Segre, 6.23.1968. *AAJ* 1969, p. 427.
- 247. *Tunacancha*, 5320 m., 17,454 ft. 1. M. Angeles, L. Assumpção, D. Giobbi, J. Piotowski, S. Segre, 6.23.1968. *AAJ* 1969, p. 427.
- 248. *Minapata*, 5260 m., 17,257 ft. 1. M. Angeles, D. Giobbi, J. Pio-

- towski, 6.23.1968. *AAJ* 1969, p. 427.
 2. L.Assumpção, J. Laguna, 6.24.1968. *AAJ* 1969, p. 427.

Cordillera Oriental (*Huangaruncho Group*)

249. *Nevado Huangaruncho*, 5730 m., 18,799 ft. 2. T. Aas, O. Eliassen, J. Jones, L. Patterson, 7.2.1970. *AAJ* 1971, pp. 261-2.
 250. *Ranrajanca Central*, 5180 m., 16,995 ft. 1. R. de Milleville, F. Rebeyrol, C. Tezza, 7.22.1968. *AAJ* 1969, p. 431.
 251. *Jancahuay*, 5160 m., 16,930 ft. 3. O. Eliassen, L. Patterson, 7.10.1970. *AAJ* 1971, pp. 260-2.
 252. *Carhuaraju*, 5160 m., 16,995 ft. 1. M. Bruhat, S. Natividad, F. and R. Rebeyrol, C. Tezza, 7.24.1968. *AAJ* 1969, p. 431.
 253. *Ranrajanca Sur*, 5140 m., 16,864 ft. 1. M. Bruhat, E. Angeles, R. de Milleville, E. Natividad, F. and R. Rebeyrol, C. Tezza, *AAJ* 1969, p. 431.
 254. *Incatana*, 5122 m., 16,804 ft. 1. J. Jones, L. Patterson, 7.8.1970. *AAJ* 1971, p. 262.
 254a. *Ulcumayo*, 16,500 ft. 1. O. Hartmann, 8.15.1965. *AAJ* 1969, p. 441.
 254b. *Raushjanca*, 5008 m., 16,431 ft. 2. O. Hartmann, 11.4.1967. *AAJ* 1969, p. 441.
 (Note: first ascent of this peak had been made by F. Chuco, M. Garay, B. and G. Yantas, 9.7.1957. *AAJ* 1969, p. 441).

Cordillera de Raura

255. *Nevado Santa Rosa*, 5717 m., 18,758 ft. 3. E. Booth, P. Bebbington, 8.14.1961. *AAJ* 1962, p. 259.
 4. J. Hough, C. Satterfield, S. Turner, 8.19.1965. *AAJ* 1966, pp. 175-6.
 256. *Nevado Yarupa*, 5708 m., 18,725 ft. 3. B. Clark, C. Jones, 9.2. 1961. *AAJ* 1962, pp. 259-60.
 4. V. Lazzarino, C. Rabbi, 6.28.1968. *RM* 2 (1970), pp. 37-55 and *AAJ* 1969, p. 430.
 257. *Yarupa Norte*, 5610 m., 18,406 ft. 1. B. Clark, C. Jones, late August or early September 1961 (p.c.).
 2. O. Bastrenta, F. Bertino, G. Campigli, G. Dionisi, P. Malvaso, C. Rabbi, 6.28.1968. *RM* 2 (1970), pp. 37-55 and *AAJ* 1969, p. 430.
 (Note: ignorant about the earlier and unreported British ascent, this second ascent was claimed as a first).
 258. *Torre de Cristal* (Flor de loto), 5529 m., 18,140 ft. 2. P. Bebbington, B. Clark, 8.9.1961. *AAJ* 1962, p. 259.
 259. *Rumihuayín* (Checchi, Matador, R-3), ca. 5500 m., 18,045 ft. 1. P. Bebbington, E. Booth, 9.1961 (p.c.).
 2. O. Bastrenta, R. Carrascal, G. Ferrari, 6.21.1968. *RM* 2

- (1970), pp. 37-55 and *AAJ* 1969, p. 430.
(Note: ignorant about the earlier and unreported British ascent, this second ascent was claimed as a first).
260. *Santa Rosa Chico*, 5400 m (?) , 17,717 ft. 1. E. Booth, P. Bebbington, 8.15.1961. *RPA* 5, p. 55.
2. M. Luna and six Peruvian school teachers and students, August 1967. *RPA* 8, p. 9.
(Note: this peak appears to correspond to Santa Rosa Sur of Peruvian reports).
261. *Santa Rosa Norte*, 5400 m., 17,717 ft. P. Bebbington, E. Booth, 9.1961 (p.c.).
2. E. Soriano, 8.29.1967. *AAJ* 1968, pp. 193-4.
262. *Pucacalle*, 5375 m., 17,635 ft. 1. N. Bedón, G. Dionisi, P. Malvassora, C. Rabbi, 6.23.1968. *RM* 2 (1970), pp. 37-55 and *AAJ* 1969, p. 430.
(Note: this peak may correspond to Point 5272 m. of Kinzl' Cordillera Huayhuash map).
263. *Condorcenza*, 5320 m., 17,454 ft. 3. C. Jones, P. Thomas, 8.1961 (p.c.).
Various other ascents.
264. *Culi*, 5310 m., 17,422 ft. 1. N. Bedón, F. Bertino, G. Dionisi, R. Lingua, 6.21.1968. *RM* 2 (1970), pp. 37-55 and *AAJ* 1969, p. 430.
265. *Matapalomas*, 5307 m., 17,390 ft. 1. O. Döllfuss, C. Jones, F. Mégard, 7.29.1961. *AAJ* 1962, p. 259.
266. *Calua*, 5290 m., 17,356 ft. 1. O. Bastrenta, F. Bertino, G. Campigli, G. Ferrari, V. Lazzarino, 6.23.1968. *RM* 2 (1970), pp. 37-55 and *AAJ* 1969, p. 430.
267. *unnamed*, 5280 m., 17,323 ft. 1. D. Rennie, A. Soriano, 9.20.1969. *AAJ* 1971, pp. 401-2.
268. *Patrón Norte*, 5272 m (?), 17,305 ft. 2. F. Hepburn, J. Ricker, end of September 1970. *AAJ* 1971, p. 402.
269. *Patrón Sur*, 5250 m., 17,225 ft. C. Feitknecht, O. Marti, P. Roth, E. Schmied, E. Wyniger, 5.27.1965. *AAJ* 1966, p. 172.
Various other ascents.
270. *unnamed* ("Daniel"), 5250 m., 17,225 ft. 1. P. Bebbington, B. Clark, C. Jones, P. Thomas, 8.19.1961. *RPA* 5, p. 47.
271. *unnamed* ("Santa María"), 5250 m., 17,225 ft. 1. Same information as for nr. 270, but 8.20.1961.
272. *unnamed* ("Alexander"), 5230 m., 17,159 ft. 1. P. Bebbington, E. Booth, C. Derbyshire, T. Lama, 7.13.1961. *RPA* 5, p. 46.
273. *Yarupa Sur*, 5200 m., 17,061 ft. 1. M. Clarbrough, F. Kerr, R. Whitley, 5.29.1969. *AJ* 1970, p. 212 and *AAJ* 1970, p. 160.
(Note: peak has been reported variously as Yarupa Sur and Yarupa Chico).

274. *Yurahuayna*, 5190 m., 17,028 ft. 1. N. Blanco, A. Calzado, F. Cáceres, A. and J. Conejo, E. León, B. and R. Liberato, B. Ponciano, 8.13.1964. *RPA* 7, p. 29.
275. *Jatunchacúa Menor*, 5180 m., 16,995 ft. 1. B. Coronado, V. Ferreyra, P. and T. Jiménez, N. Robles, V. Tena, C. Tinco, 9.12.1965, *RPA* 7, p. 30.
276. *Rajucusunán Grande*, 5178 m., 16,990 ft. 1. V. Cayetano, A. Collazos, T. Lucas, M. Luna, A. Rojas, A. Rosales, 7.20.1965. *RPA* 7, p. 30.
277. *unnamed* ("Torre Monzino"), 5170 m., 16,962 ft. 1. O. Bastrenta, F. Bertino, G. Campigli, G. Ferrari, V. Lazzarino, 6.23. 1968. *RM* 2 (1970), pp. 37-55.
278. *Niño Perdido* (Huambraocrashca), 5148 m., 16,890 ft. 1. C. Morales and eleven Peruvian climbers, 8.29.1967. *RPA* 8, pp. 9-10.
 2. D. and D. Benavides, N. Borda, A. Canicova, A. Falcón, R. Rilo. *RPA* 7, p. 30.
279. *Potrero Grande*, 5110 m., 16,765 ft. 1. Same information as for nr. 276, but 7.19.1965, and minus M. Luna.
280. *Rajucusunán Chico*, 5100 m., 16,733 ft. 1. T. Jiménez and 14 Peruvian climbers, 6.19.1965. *RPA* 7, p. 30.
281. *Caballero Segundo*, 5100 m., 16,733 ft. 1. P. Bebbington, E. Booth, 9.1961 (p.c.).
 2. R. Gürtler, F. Marx, W. Uttendoppler, 5.27.1965. *RPA* 7, p. 56 and *AAJ* 1966, p. 172.
282. *Caballero Primero*, 5050 m., 16,568 ft. 1. P. Bebbington, E. Booth, 9.1961. (p.c.).
 2. Same information as for nr. 281, 2nd ascent.
283. *unnamed*, ca. 5045 m., 16,552 ft. 1. Same information as for nr. 281, 1st ascent.
 2. ". . . the southernmost and first of the Siete Caballeros . . .", J. Ricker, 10.1.1970. *AAJ* 1971, p. 402.
284. *Yanco Este*, 5025 m., 16,485 ft. 1. Nine Peruvian climbers led by M. Luna, 9.17.1967. *RPA* 8, p. 10.

(Note: it is not certain if this peak is not the same as Yanco, 5010 m.).
285. *Yanco* (Murugallo), 5010 m., 16,437 ft. 1. (?) M. Allegri, W. Bonatti, A. Soriano, 1964 (?) (p.c.).
 2. M. Clarbrough, F. Kerr, R. Whiteley, 5.1.1969. *AJ* 1970, p. 212 and *AAJ* 1970, p. 160.
 3. J. Gross, T. Jiménez, M. Luna, 7.28.1969. *AAJ* 1970, p. 164.
286. *Auquín*, 5010 m., 16,437 ft. 1. Twelve Peruvian climbers under M. Luna, 12.6.1964. *RPA* 7, p. 29.
287. *Jatunchacúa Central*, 5000 m., 16,404 ft. 1. M. Callupe, J. Herbozo, L. Huamán, A. Quinteros, 6.6.1965. *RPA* 7, p. 30.

288. *Jatunchacúa Este*, 5000 m., 16,404 ft. 1. Same information as for nr. 287, but 6.5.1965.
289. *Parac*, 5000 m., 16,404 ft. 1 (?) Uncertain; Peruvian glaciologists, particularly J. Broggi, have been active on high snowfields of this peak. First recorded ascent: A. Cáceres, A. Calzado, J. Conejo, R. Guerrero, B. Liberato, E. Méndez, J. Rementerio, 5.29.1964. *RPA* 7, p. 28.
290. *Juraupata*, 5000 m., 16,404 ft. 1. F. Hepburn, J. Ricker, 9.28. 1970. *AAJ* 1971, p. 402.
(Note: on official charts, this peak is incorrectly called Punta Chacra; see source quoted).
291. *Cerro Huambrascashca*, 4880 m., 16,011 ft. 1. (?) J. Martí, P. Roth, 5.26.1965. *RPA* 7, p. 55.
(Note: same climbers, same date, are used to refer to ascent of Cerro Raura, 16,240 ft., in *AAJ* 1966, p. 172).
2. 21 Peruvian students under C. Morales, 8.28.1967. *RPA* 8, p. 10.
292. *Mamapuncu*, 4880 m., 16,011 ft. 1. V. Cayetano, A. Collazos, T. Lucas, A. Rojas, A. Rosales, 7.19.1965. *RPA* 7, p. 30.
293. *Huishcahuairán*, 4870 m., 15,978 ft. 1. A. Alva, C. Espinoza, J. Góngora, C. Gurriñero, R. Liceti, A. Rivera, A. Samanamud, A. Tiburcio, 9.8.1965. *RPA* 7, p. 30.
294. *Challauya*, 4760 m., 15,617 ft. 1. Eight members of Club Andino Escolar de Cochamarca, 9.10.1964. *RPA* 7, p. 29.
General note: peaks of eastern arm of range, Siete Caballeros ("Seven knights"), apparently nine or ten summits, were ascended by P. Bebbington, E. Booth, 9.1961 (p.c.).

Cordillera de la Viuda and Cerro de Pasco Group

This region is the closest one to Lima for mountaineering. Only new ascents are listed. Heights are approximate.

295. *Michipiñahui*, 5400 m., 17,717 ft. 1. M. Arroyo, J. Escobar, S. Hidalgo, F. Schlistler, A. Soriano, 6.2.1963. *RPA* 6, p. 41.
296. *Loro*, 5260 m., 17,257 ft. 1. J. Felber, P. Roth, 9.29.1965. *RPA* 7, p. 57.
297. *Condenado* (Lorito), 5200 m., 17,061 ft. 1. M. Casallo, A. Martínez, S. Olivares, S. Ramos, M. Vargas, P. Velásquez, 4.14. 1968. *RPA* 7, pp. 10-11.
298. *Diente de Yanasinga*, 5200 m., 17,061 ft. 1. A. Canaval, C. Darbyshire, 5.12.1961. *RPA* 5, p. 57.
299. *Chugo*, 5150 m., 16,897 ft. 1(?). M. Corazzola and students, 7.21.1968. *RPA* 8, p. 11.
300. *Lechicocha*, 5100 m., 16,733 ft. 1. A. Canaval, C. Darbyshire, 5.1.1961. *RPA* 5, p. 55.

301. *La Venturosa*, 5100 m., 16,733 ft. 1. H. Ferro, P. Halter, R. Stern, 6.15.1961. *RPA* 5, p. 31.
302. *Venturosa Norte*, 5100 m., 16,733 ft. 1. J. Cerna, A. Soriano, 9.10.1964. *RPA* 7, p. 29.
303. "Vulcan," 5088 m., 16,795 ft. 1. E. Ayala, M. Corazzola, M. Espinoza, P. Tamayo, C. Vivanco, 9.29.1970. *RPA* 9 (Parte II), p. 2.
304. *Venturosa Central*, 5050 m., 16,568 ft. 1. Same information as nr. 302, but 8.15.1964.
305. *unnamed*, 5040 m., 16,536 ft. 1. Same information as for nr. 296.
306. *unnamed*, 5020 m., 16,470 ft. 1. Same information as for nr. 296.
307. *Diente La Viuda*, 5000 m., 16,404 ft. 1. C. Derbyshire, J. Offord, 9.24.1961. *RPA* 5, p. 32.
308. *Yantac*, 5000 m., 16,404 ft. 1. Same information as for nr. 296, but 7.31.1965.
309. *Chuchún*, 4820 m., 15,814 ft. 1. Same information as for nr. 296, but 10.17.1965.
310. *Leónjirca*, 4675 m., 15,337 ft. 1. Same information as for nr. 296, but 7.28.1965.
311. *Culuhuay*, 4300 m., 14,108 ft. 1. Same information as for nr. 296, but 7.29.1965.

Cordillera Central

(Groups of Pariacacca or Yauyos, Cochas and Yauricocha are included; heights, particularly in the Pariacacca district, should be regarded cautiously).

312. *Cotoní*, 5817 m., 19,086 ft. 1. J. Anglada, M. Gómez, V. López de Ceballos, J. Pons, 6.21.1963. *Montaña* 87 (1963), p. 472 and *AAJ* 1964, pp. 209-10.
2. E. Bauer, R. Johnson, 7.1.1966. *RPA* 8, p. 30 and *AAJ* 1968, pp. 197-8.
3. C. Heller, C. Ringrose, R. Westbrook, D. Lamb, 7.2.1966. *RPA* 8, p. 30 and *AAJ* 1968, pp. 197-8.
313. *Llongote*, 5781 m., 18,966 ft. 1. Same information as for nr. 312, 1st ascent, but 6.29.1963.
314. *Tullujuto*, 5756 m., 18,886 ft. 2. B. Frey, O. Hartmann, 7.31.1965 *AAJ* 1969, p. 441-2.
3. J. Edrich, H. Huber, 6.23.1967. DAV, *op. cit.*, p. 10 and *AAJ* 1968, pp. 195-7.
4. R. Coppock, B. Patterson, 7.6.1970. *AAJ* 1971, p. 403.
315. *Tullujuto Oeste*, 5701 m., 18,704 ft. 2. Same information as for 314, 3rd ascent, plus D. Meyer-Keller.
3. A. Carter, W. Draper, G. Henostroza, C. Smith, 7.6.1970, *AAJ* 1971, p. 403.

316. *Tunshu*, 5708 m., 18,727 ft. 3. J. Edrich, H. Huber, P. Mirwald, 7.9.1967. DAV, *op. cit.*, pp. 9-10 and *AAJ* 1968, pp. 195-7.
317. *Yarumaria III*, 5650 m., 18,537 ft. 1. P. Gessner, A. Koch, H. Schmidt, M. Steinbeis, 6.23.1966. *RPA* 8, p. 29 and *AAJ* 1967, pp. 387-9.
318. *Yarumaria IV*, 5650 m., 18,537 ft. 1. Same information as for nr. 317.
319. *Ñahuín (Jica, Jaico, Tatajaico)*, 5591 m., 18,343 ft. 1. E. Emslie, H. Simpson, W. Wallace, 7.22.1958. *AAJ* 1959, p. 319.
2. P. Gessner, A. and J. Koch, M. Steinbeis, 6.15.1966. *RPA* 8, p. 29 and *AAJ* 1967, pp. 387-9.
3. O. Hartmann, 6.14.1967. *AAJ* 1969, p. 442.
4. G. Bram, A. von Hillebrandt, 7.6.1967. DAV *op. cit.*, p. 10.
320. *Yarumaria II*, 5600 m., 18,373 ft. 1. Same information as for nr. 317.
321. *Tembladera*, 5595 m., 18,360 ft. 2. H. Huber, E. Rübel, 6.12.1967. DAV, *op. cit.*, pp. 9-10 and *AAJ* 1968, pp. 195-7.
3. A. von Hillebrandt, P. Mirwald, 6.19.1967. DAV, *op. cit.* pp. 9-10 and *AAJ* 1968, pp. 195-7.
322. *Ñahuín Noroeste*, 5513 m., 18,087 ft. 1. O. Hartmann, 9.25.1965 (p.c.)
2. P. Gessner, A. Koch, M. Steinbeis, 6.15.1966. *RPA* 8, p. 29 and *AAJ* 1967, pp. 287-9.
323. *Tunshu* (Mittelgipfel), 5565 m., 18,257 ft. 2 (?) J. Edrich, H. Huber, P. Mirwald, 9.7.1967. DAV, *op. cit.*, pp. 9-10 and *AAJ* 1968, pp. 195-7.
(Note: this ascent was claimed in source quoted as first; author is not certain if this peak corresponds to Nevado de Cochas, or Runshu, believed to be 5530 m. or somewhat lower, which was climbed by J. Leppish, M. Stahle, date unknown; see *AAJ* 1962, p. 176).
3. C. Jahl, E. Rübel, 7.10.1967. DAV, *op. cit.*, p. 10 and *AAJ* 1968, pp. 195-7.
324. *Pachancoto* (Colquepucro, Yarumaria V*), 5650 m., 18,537 ft. 2. P. Gessner, A. Koch, H. Schmidt, M. Steinbeis, 6.23.1966. *RPA* 8, p. 29 and *AAJ* 1967, pp. 387-9.
3. G. Bram, A. von Hillebrandt, 7.10.1967. DAV, *op. cit.*, p. 10 and *AAJ* 1968, pp. 195-7.
326. *Yarumaria I*, 5500 m., 18,045 ft. 2. P. Gessner, A. and J. Koch,

* Olaf Hartmann has made corrections after this was set in type. Pachancoto is placed too low in the list and is the highest in the Yarumaria group. Altitudes for 317, 318, and 320 are probably 50 meters too high. Possibly the only peak which should be called Yarumaria is 326. We have eliminated 325.

- H. Schmidt, M. Steinbeis, 6.24.1966. *RPA* 8, p. 29 and *AAJ* 1967, pp. 387-9.
(Note: first ascent was made by D. Briegleb in 1927 and had not been reported; personal communication.)
327. *Pichahuacra*, 5490 m., 18,012 ft. 1. J. Anglada, F. Guillamón, J. Pons, 6.22.1963. *RPA* 6, pp. 65-67 and *AAJ* 1964, pp. 209-10.
328. *unnamed* (Virgen de la Merced), 5475 m., 17,964 ft. 1. J. Anglada, M. Gómez, J. Pons, 7.2.1963. *RPA* 6, p. 67 and *AAJ* 1964, pp. 209-10.
329. *unnamed* (Canigó), 5470 m., 17,946 ft. 1. Same information as for nr. 313.
330. *Nevado del Medio*, 5460 m., 17,914 ft. 1. P. Gessner, A. Koch, M. Steinbeis, 6.11.1966. *RPA* 8, p. 29 and *AAJ* 1967, pp. 387-9.
331. *unnamed* (Rosa de Lima), 5460 m., 17,914 ft. 1. Same information as for nr. 312, but 6.25.1963.
332. *unnamed* (San Jordi), 5460 m., 17,914 ft. 1. J. Anglada, V. López de Ceballos, M. Muñoz, J. Pons, 6.25.1963. *RPA* 6, p. 66 and *AAJ* 1964, pp. 209-10.
333. *unnamed* (Paulo VI), 5430 m., 17,815 ft. 1. Same information as for nr. 312, but 6.29.1963.
334. *unnamed* (J. Folch), 5412 m., 17,757 ft. 1. V. López de Ceballos, M. Muñoz, 6.25.1963. *RPA* 6, p. 66 and *AAJ* 1964, pp. 209-10.
335. *unnamed* (S17), 5410 m., 17,750 ft. 1. C. Jahl, E. Rübel, 6.21.1967. DAV, *op. cit.*, p. 9 and *AAJ* 1968, pp. 195-7.
336. *Pacca II*, 5405 m., 17,732 ft. 1. A. and J. Koch, P. Gessner, H. Schmidt, M. Stenbeis, 6.22.1966. *RPA* 8, p. 29 and *AAJ* 1967, pp. 387-9.
2. G. Bram, A. von Hillebrandt, H. Huber, C. Jahl, P. Mirwald, 6.27.1967. DAV, *op. cit.*, p. 10 and *AAJ* 1968, pp. 195-7.
(Note: the 1966 party claimed a first ascent of Pacca Sur; the 1967 party claimed a first ascent of Pacca II).
337. *Pacca I*, 5400 m., 17,717 ft. 1. A. Koch, H. Schmidt, 6.22.1966. *RPA* 8, p. 29 and *AAJ* 1967, pp. 387-9.
2. Same information as for nr. 336, 2nd ascent.
(Note: the 1966 party claimed a first ascent of Pacca Norte; the 1967 party claimed a first ascent of Pacca I).
338. *Shallanca*, 5400 m., 17,717 ft. 1. G. Bram, J. Edrich, H. Huber, C. Jahl, P. Mirwald, E. Rübel, 6.30.1967. DAV, *op. cit.*, p. 10 and *AAJ* 1968, pp. 195-7.
339. *unnamed* (Juanita), 5400 m., 17,717 ft. 1. P. Gessner, A. and J. Koch, M. Steinbeis, 6.16.1966. *RPA* 8, p. 29 and *AAJ* 1967, pp. 387-9.
(Note: in source quoted the name "Juanita" is given to a glacier and name of peak appears as "Yuracmayo." In *AAJ* 1967, p. 388,

- peak is mentioned as "Juanita," name also retained by climbers of second ascent).
2. J. Eldrich, C. Jahl, H. Huber, P. Mirwald, E. Rübel, 7.6.1967. DAV, *op. cit.*, p. 10 and *AAJ* 1968, pp. 195-7.
340. *unnamed* (Cerro de Ricci), 5400 m., 17,717 ft. 1. Same information as for nr. 339, 1st ascent.
341. *Cerro Turuyoj*, 5396 m., 17,703 ft. 1. S. Ambrosia, M. Bewsher, July or August, 1961. *AAJ* 1962, p. 260.
2. O. Hartmann, 10.18.1965. *AAJ* 1969, p. 442.
342. *unnamed* (Verdaguer), 5390 m., 17,684 ft. 1. J. Anglada, F. Guillamón, J. Pons, 6.25.1963. *RPA* 6, pp. 65-67 and *AAJ* 1964, pp. 209-10.
343. *unnamed* (Falla), 5380 m., 17,651 ft. 1. Same information as for nr. 342.
344. *Tranca*, 5370 m., 17,618 ft. 1. G. Bram, J. Edrich, O. Hartmann, H. Huber, C. Jahl, E. Rübel, 6.17.1967. DAV, *op. cit.*, p. 9 and *AAJ* 1968, pp. 195-7.
345. *Shicra Oeste*, 5368 m., 17,612 ft. 1. Same information as for nr. 339, 1st ascent.
346. *Cerro del Medio*, 5360 m., 17,586 ft. 1. Same information as for nr. 317, but 6.19.1966.
347. *unnamed* (Acuña), 5360 m., 17,586 ft. 1. Same information as for nr. 327, but 6.20.1963.
348. *Quepala*, 5360 m., 17,586 ft. 1. M. Gómez, V. López de Ceballos, 1963, *AAJ* 1964, p. 210 and *Montaña* 87 (1963), p. 473.
349. *Quepala Norte*, 5350 m., 17,553 ft. 1. Same information as for nr. 348.
350. *Ancovilca*, 5358 m., 17,580 ft. 1. E. Bauer, C. Heller, R. Johnson, C. Ringrose, R. Westbrook, 6.18.1966. *AAJ* 1968, p. 197.
351. *Tuctuni*, 5327 m., 17,477 ft. 1. Same information as for nr. 334.
352. *Pumahuáin Norte*, 17,525 ft. 1. C. Heller, E. Bauer, R. Johnson, D. Lamb, C. Ringrose, 6.23.1966. *AAJ* 1968, p. 197.
353. *Umán Norte* (Umán Grande), 17,480 ft. Same information as for nr. 352, plus R. Westbrook, 6.26.1966.
354. *Manón III*, 5290 m., 17,356 ft. 1. G. Bram, J. Edrich, H. Huber, E. Rübel, 6.11.1967. DAV, *op. cit.*, p. 9 and *AAJ* 1968, pp. 195-7.
355. *Manón II*, 5280 m., 17,323 ft. 1. G. Bram, A. Hillebrandt, C. Jahl, P. Mirwald, 7.8.1967. DAV, *op. cit.*, p. 10 and *AAJ* 1968, pp. 195-7.
356. *Mellizo Sur*, 5280 m., 17,323 ft. 1. G. Bram, J. Edrich, H. Huber, C. Jahl, P. Mirwald, E. Rübel, 7.1.1967. DAV, *op. cit.*, p. 10 and *AAJ* 1968, pp. 195-7.
357. *unnamed* ("Pyramiden spitze"), 5270 m., 17,290 ft. 1. A. von Hillebrandt, 6.30.1967. DAV, *op. cit.*, p. 10 and *AAJ* 1968, pp. 195-7.

2. G. Bram, 7.4.1967. DAV, *op. cit.*, p. 10 and *AAJ* 1968, pp. 195-7.
3. J. Ricker, 10.30.1970. *AAJ* 1971, p. 404.
358. *Mellizo Norte*, 5265 m., 17,272 ft. 1. Same information as for nr. 356.
359. *Tatatumshu*, 5255 m., 17,240 ft. 1. G. Bram, J. Eldrich, O. Hartmann, H. Huber, C. Jahl, E. Rübel, 6.15.1967. DAV, *op. cit.*, p. 9 and *AAJ* 1968, pp. 195-7.
360. *Umán Sur*, 5243 m., 17,200 ft. 1. Same information as for nr. 352, minus E. Bauer, 6.20.1966.
361. *Paccarín*, 5240 m., 17,192 ft. 1. P. Mirwald, 6.12.1967. DAV, *op. cit.*, p. 9 and *AAJ* 1968, pp. 195-7.
362. *Pumahuáin Central*, 5212 m., 17,100 ft. 1. E. Bauer, C. Heller, 6.27.1966. *RPA* 8, p. 30 and *AAJ* 1968, pp. 197-8.
363. *Minacho*, 5200 m., 17,060 ft. 1. O. Hartmann, 6.3.1967 (p.c.)
2. A. von Hillebrandt, 7.1.1967. DAV, *op. cit.*, p. 10 and *AAJ* 1968, pp. 195-7.
364. *Yanasalla Ccoraucata*, 5200 m., 17,060 ft. 1. A. von Hillebrandt, P. Mirwald, 6.14.1967. DAV, *op. cit.*, p. 9 and *AAJ* 1968, pp. 195-7.
365. *unnamed* ("Felsnadel"), 5200 m., 17,060 ft. 1. Same information as for nr. 357, 1st ascent, but 6.29.1967.
366. *Padrecacca** (Pic des Etats), 5200 m., 17,060 ft. 1. Same information as for nr. 348.
367. *Huamalla*, 5200 m., 17,060 ft. 1. J. Ricker, 6.17.1969. *AAJ* 1970, p. 167.
- 367a. *Cullie*, c. 5200 m., 17,060 ft. 1 and 2. O. Hartmann, 7.22 and 11.3.1965. *AAJ* 1969, p. 441 and p.c.
368. *unnamed* (Santiago), 5150 m., 16,897 ft. 1. Same information as for nr. 348, but p. 209.
369. *Yadoñe Norte*, 5090 m., 16,700 ft. 2. Same information as for nr. 348, but p. 209 (M. Gómez, V. López).
(Note: first ascent by Peruvian surveyor O. Salguero, 1953 (p.c.).
370. *unnamed* ("Punkt 5090 m"), 5090 m., 16,700 ft. 1. A. von Hillebrandt, 6.29.1967. DAV, *op. cit.*, p. 10 and *AAJ* 1968, pp. 195-7.
371. *Tatajaico I*, 5060 m., 16,601 ft. 1. G. Bram, J. Edrich, H. Huber, E. Rübel, 6.9.1967. DAV, *op. cit.*, p. 9 and *AAJ* 1968, pp. 195-7.
(Note: in source quoted, climbers did not claim this ascent as a first).
2. O. Hartmann, 6.13.1967. (p.c.)

* The name Padrecacca on the official map is a misspelling. People in Maraflores call it Pariaccaca. From the other side it is called Llica.

3. A. von Hillebrandt, 7.1.1967. DAV, *op. cit.*, p. 10 and *AAJ* 1968, pp. 195-7.
372. *unnamed*, 5015 m., 16,452 ft. 1. J. Ricker, 11.4.1970. *AAJ* 1971, p. 405.
- 373.- *Langoc*, 4950 m., 16,240 ft. 1. A. von Hillebrandt, 6.17.1967. DAV, *op. cit.*, p. 9 and *AAJ* 1968, pp. 195-7.
374. *unnamed* (Balaitus), 4950 m., 16,240 ft. 1. Same information as for nr. 348, but p. 209.

General note: *Pico Chaluacocha*, no height given, ascended by Californian party in 1966, which stated that this peak had been ascended previously; *Pico Chaca* also ascended by same party, perhaps a first ascent; no height given; see *AAJ* 1968, p. 197.

Cordillera Huaytapallana

In most cases, heights are mentioned as reported by climbers; some may have been changed after authorized corrections. However, all figures should be regarded with caution, since a preliminary survey by the Peruvian army found that Lasontay, believed to be the highest peak in the range, is only 5488 m. high. Minor ranges between the Chan-chamayo and the upper and lower Mantaro valleys are included.

375. *Lasontay*, 5572 m., 18,280 ft. 3. M. Gómez, P. Mamani, 8.8.1962. *RPA* 8, p. 126.
(Note: in *RPA* 6, p. 42, this third ascent is reported as a solo by M. Gómez).
4. O. Hartmann, 7.4.1964. *AAJ* 1969, p. 441.
5. E. León, H. Tanaka, 10.27.1967. *RPA* 8, p. 126.
(Note: for ascents previous to 1962 see *RPA* 8, p. 126).
376. *Lasontay Sur* (Yuracrumi), 5554 m., 18,230 ft. 2. B. Frey, O. Hartmann, M. Mayer, F. Mégard, 8.14.1964. *AAJ* 1969, p. 441.
377. *Lasontay Norte*, 5500 m., 18,045 ft. 1. O. Cantoni, G. Falconio, M. Owen, D. Porter, 7.28.1962. *RPA* 6, p. 51.
378. *Chuspi* (Nevado Chuspicocha), 5500 m., 18,045 ft. 1. B. Frey, O. Hartmann, M. Mayer, 6.3.1964. *AAJ* 1969, p. 441.
2. E. Mayer, R. Turner in 1966 (p.c.)
379. *Jananpasán*, 5400 m., 17,717 ft. 1. S. Shepard, 5.15.1965. *AAJ* 1966, pp. 178-9.
380. *Hichu*, 5400 m., 17,717 ft. 2. C. Ledesma, I. Mamani, L. Martínez, J. Melgar, S. Ramos, J. Vargas, 6.10.1965. *AAJ* 1966, p. 172.
3. E. León, 7.13.1968. *RPA* 8, p. 11.
(Note: this peak had been ascended by A. and F. Dunn, D. Kimball, 1953; see *Harvard Mountaineering Bulletin*, 1955, pp. 38-44.)
- 380a. *Lasontay Oeste* (Jayacata), 5330 m., 17,487 ft. 1 and 2. O. Hartmann, 10.2.1962 and 7.4.1964. (p.c.)

381. *Pampalazo*, 5300 m., 17,389 ft. 1. S. Shepard, 6.9.1965. *AAJ* 1966, pp. 178-9.
(*Note*: in source quoted, this peak was mentioned as Apucasa; for correction see footnote in *AAJ* 1969, p. 441).
382. *Huaytapallanakaru*, 5300 m., 17,389 ft. Same information as for nr. 379, but 6.11.1965.
- 382a. *Illayrazo Norte* (Apucasa), 5273 m., 17,350 ft. 1. O. Hartmann, 6.7.1967. *AAJ* 1969, p. 441.
383. *Cerro Huaytapallana*, 5200 m. 3. P. Mamani, V. Palomino, A. Ruibal, 4.23.1961. *RPA* 5, p. 31.
(*Note*: second ascent was made by six climbers from Huancayo, on 7.12.1960; *RPA* 5, p. 30).
Various other ascents. The altitude is probably exaggerated and hardly reaches 5000 m. The peak is snow-free.
384. *Cunti* (Lasocuchuna), 5200, 17,060 ft. 1. O. Hartmann, E. Matjevič, 10.27.1962. (p.c.)
2. T. Kamm, S. Shepard, 2.1965. *AAJ* 1966, p. 176.
389. *Cacsajaide*, 5200 m., 17,060 ft. 1. O. Fernández, H., H. and R. Velaochaga, 7.28.1962. *RPA* 8, p. 126.
390. *Apuhuaín*, 5200 m., 17,060 ft. 1. Same information as for nr. 379, but 6.13.1965.
- 390a. *Pampalazo Oeste* (Otocollo Oeste), ca. 5200 m., 17,060 ft. 1. P. Barry, H. Clark, F. Hepburn, 7.1970. *AAJ* 1971, p. 405.
391. *Pucalanla*, 5200 m., 17,060 ft. 1. E. León, 8.13.1968. *RPA* 8, p. 11.
392. *Pariahuachuco* (Putoc, Condorvasha), 5190 m., 17,028 ft. 1. O. Hartmann, 11.13.1967. *AAJ* 1971, p. 406.
393. *Lasopata* (Nevada de Shayhua), 5160 m., 16,929 ft. 1. Same information as for nr. 392, but 9.29.1969.
394. *Nevada Petita*, 5120 m., 16,798 ft. Same information as for nr. 392, but 9.25.1968.
395. *Nevado Tranca*, 5100 m., 16,733 ft. 1. Same information as for nr. 392, but 8.11.1968.
396. *Nevado Tamiali*, 5100 m., 16,733 ft. 1. Same information as for nr. 392, but 8.30.1964; plus B. Frey.
397. *Yuracmayo* (Apu Huayhuay), 5100 m., 16,733 ft. 1. Same information as for nr. 392, but 12.6.1964.
398. *Condorvasha Norte*, 5050 m., 16,568 ft. 1. Same information as for nr. 392, but 11.14.1970.
399. *Yuracyacu* (Peak A), 16,460 ft. 1. Same information as for nr. 392, but 5.28.1968.
Cairn found on summit. True first-ascent party unknown.
2. Same information as for nr. 392, but 6.1969.
400. *Nevado Aychana* (Condorvasha Sur), 4992 m., 16,377 ft. 1. Same information as for nr. 392, but 5.24.1967.

401. *unnamed*, 4920 m., 16,142 ft. 1. J. Ricker, 9.24.1969. *RPA* 9 (Segunda Parte), p. 8.
402. *unnamed*, 4740 m., 15,551 ft. Same information as for nr. 401, but 9.18.1969.
403. *unnamed*, 4640 m., 15,223 ft. 1. Same information as for nr. 401, but 9.22.1969.
404. *Nevado de Chaquecocha* (Yanaorco), 5040 m., 16,536 ft. 1. O. Hartmann, 5.7.1968. (p.c.)
2. H. Clark, F. Hepburn, 7.1970. *AAJ* 1971, p. 405.

Cordillera Chonta

405. *Palomo Norte*, 5308 m., 17,415 ft. 1. J. Ricker, 9.29.1969. *RPA* 9 (Segunda Parte), p. 8.
406. *Huamanrazo*, 5300 m., 17,389 ft. 1. S. Shepard, 3.3.1965. *RPA* 7, p. 58 and *AAJ* 1966, pp. 176-9.
2. O. Hartmann, 10.2.1965. *RPA* 8, p. 122.
407. Citac, 17,400 ft. 1. M. Bewsher, J. Marshall, July or August 1961.
408. *Palomo Sur*, 5283 m., 17,333 ft. 2. Same information as for nr. 405.
(Note: first ascent by Peruvian surveyor O. Salguero in 1954 (p.c.).)
409. *Acchi*, 5281 m., 17,326 ft. 1. M. Bewsher, J. Marshall, R. Walker, 8.16.1961. *RPA* 5, p. 47.
410. *Antarazo*, 5180 m., 16,995 ft. 1. O. Hartmann, 10.3.1965. *RPA* 8, p. 122.
2. Same information as for nr. 405, but 9.30.1969.
411. *Condoray*, 5055 m., 16,583 ft. 1. J. Lloyd, J. Marshall, J. Troughton, R. Walker, 8.20.1961. *RPA* 5, p. 47.
412. *Chontaraju*, 5000 m., 16,404 ft. 1. S. Shepard, 2.25.1965. *RPA* 7, p. 47 and *AAJ* 1966, pp. 176-9.
General note: other peaks may have been ascended by British Oxford 1961 Expedition. See *AAJ* 1962, p. 260.

Cordillera Occidental

(Volcanic peaks of Huanzo, Chila, Arequipa and Barroso areas are included. Peaks listed without source of reference will be found in a combination of the following publications: *American Alpine Journal* 1969, pp. 431-433; *Revista Peruana de Andinismo* 8, pp. 55-59; and the mimeographed circular "Die Erschliessung der Cordillera Barroso" by the Ö.A.V. 1968 Andean Expedition).

414. *Coropuna Este*, ca. 20,500 ft. 1 (?) R. Culbert, 4.21.1966. *CAJ* 1967, pp. 38-43 and *AAJ* 1968, p. 203.
(Note: this peak of Coropuna appears to have been climbed in 1911 by Miss Annie Peck, since she ascended the two domes that are visible from the town of Viraco. See *Bulletin of the American*

Geographical Society, vol. 44, nr. 3, p. 207. The height of Coropuna's peaks is now doubted. The figure of 6615 m., found by the Bingham party in 1911, has been reduced by the Peruvian army in a preliminary survey to less than 6400 m. The lower peaks, such as Coropuna Este, may be closer to 20,000 ft.).

415. *Solimana*, 6318 m., 20,730 ft. 1. M. Bignami, J. Blanco, 8.1.1970. *AAJ* 1971, p. 421.
(Note: this appears to be the first ascent of the highest peak, also put at 6323 m., or 20,744 ft., by the American Geographical Society. The ascent of 1952 was made to the northern peak and a height of 6275 m., was registered by altimeter in that occasion; see *Mountain World* 1953, pp. 154-5.)
416. *Chachani*, 6087 m., 19,972 ft. According to *RPA* 8, p. 127, the 11th ascent to this mountain took place in October 1962 by the Peruvians T. Bellota and J. Urquiza.
Various other ascents.
417. *Hualca-hualca*, 6025 m., 19,767 ft. 1. R. Culbert, 4.6.1966. *CAJ* 1967, pp. 38-43.
(Note: in *RPA* 8, p. 119, this ascent is given to P. Ghiglione, P. Chavez, 8.23.1950, but no reference to such an ascent is found in P. Ghiglione, *Nelle Ande del Sud Peru*, Milano, 1953).
418. *Sarasara*, 5959 m., 19,551 ft. (?) A. Arroyo, I. Nishimura, R. Patrucco, A. Ruibal, 3.2.1962. *RPA* 8, p. 119.
(Note: this one must be considered only as a registered modern ascent in the 1960's. Sarasara had been ascended repeatedly three or four centuries ago by subjects of the Incas. In the 1940's school teachers and students from the town of Pauza ascended the peak several times and located objects and constructions of Inca origin. See *AJ* nr. 316, pp. 84).
Various other Ascents.
419. *Nevado Barroso*, 5741 m., 18,835 ft. 1. W. Axt, R. Heinzel, B. Saxinger, 5.19.1968.
2. F. Hawelka, B. Klausbrückner, 5.20.1968.
420. *Achacollo*, 5700 m., 18,701 ft. 1. Same information as for nr. 419, 1st ascent.
2. Same information as for nr. 419, 2nd ascent.
421. *Nevado Jurimani*, 5700 m., 18,701 ft. 1. Same information as for nr. 419, 1st ascent.
2. Same information as nr. 419, 2nd ascent.
422. *Nevado Coruña*, 5693 m., 18,677 ft. 1. W. Axt, B. Klausbrückner, 5.4.1968.
2. F. Hawelka, B. Klausbrückner, 5.29.1968.
423. *Nevado Churavira*, 5670 m., 18,603 ft. 1. Same information as for nr. 419, 1st ascent, but 5.10.1968.

423. *Nevado Churavira*, 5670 m., 18,603 ft. 1. Same information as for nr. 419, 1st ascent, but 5.10.1968.
2. Same information as for nr. 419, 2nd ascent, but 5.21.1968.
424. *Ubinas*, 5670 m., 18,603 ft. 1 (?) D. Chávez, C. and L. García, H. González, A. Gutiérrez, O. Gálvez, G. Figueroa, J. Zamalloa, 8.30.1966. *RPA* 8, p. 128.
(Note: there exists a recorded ascent by Peruvian surveyors of the Comisión de Moquegua that climbed the peak under F. Alayza sometime between June 1902 and April 1903; see *RPA* 7, pp. 88-89. Besides, there may be an earlier ascent by the Austrian astronomer Rudolf Falb, perhaps in 1878; see Karl Ziak, *Der Mensch und die Berge* (Stuttgart, 1956), index of ascents).
Various other ascents.
425. *Nevado Pinavira*, 5670 m., 18,603 ft. 1. Same information as for nr. 419, but 5.10.1968.
2. Same information as for nr. 419, 2nd. ascent, but 5.21.1968.
426. *Nevado Pinavira Chico*, 5660 m., 18,570 ft. 1. F. Hawelka, B. Klausbrückner, 5.21.1968.
427. *Jurimani Rocos*, 5650 m., 18,537 ft. 1. Same information as for nr. 419, but 5.10.1968.
2. Same information as for nr. 419, 2nd. ascent, but 5.21.1968.
428. *Calachata*, 5650 m., 18,537 ft. 1. W. Axt, 5.10.1968.
429. *Casiri*, 5620 m., 18,439 ft. 1. F. Hawelka, B. Klausbrückner, 5.26.1968.
430. *Nevado Auquitaipe*, 5580 m., 18,307 ft. 1. W. Axt, B. Saxinger, 5.13.1968.
431. *Cerro Estique*, 5570 m., 18,275 ft. 1. F. Hawelka, B. Klausbrückner, 5.20.1968.
432. *Cerro Paucarany*, 5570 m., 18,275 ft. 1. Same information as for nr. 431, but 5.26.1968.
433. *Nevado Inuma*, 5570 m., 18,275 ft. 1. Same information as for nr. 430, but 5.14.1968.
434. *Cerro Auquitaipe*, 5560 m., 18,242 ft. 1. Same information as for nr. 430.
435. *Mismi*, 5547 m., 18,200 ft. 1. R. Culbert, 4.3.1966. *RPA* 8, p. 27 and *AAJ* 1968, pp. 202-3.
436. *Cerro Ancochaullane*, 5540 m., 18,176 ft. 1. Unknown; a cairn found on top by climber of second ascent.
2. W. Axt, 5.24.1968.
437. *Picchupicchu*, 5540 m., 18,176 ft. 1. Inca constructions and objects found on top of every peak of this mountain as well as on slopes; Universidad Nacional de Cuyo, Argentina, *Anales de Arqueología y Etnología*, vol. XXI (1966), pp. 7-47. A height of 5664 m. is given to the highest peak in this source: it was ascended

in June 1959 by L. Barrios, E. Linares, F. Tapia, C. Zárete, source quoted, p. 8.

Various other ascents.

438. *Nevado Pumumana*, 5540 m., 18,176 ft. 1. W. Axt, B. Saxinger, 5.14.1968.
2. F. Hawelka, B. Klausbrückner, 5.25.1968.
439. *unnamed* (Nevado Piz Buin), 5530 m., 18,143 ft. 1. Same information as for nr. 438, 2nd. ascent, but 5.19.1968.
440. *Nevado Murmuntane*, 5520 m., 18,111 ft. 1. Same information as for nr. 438, but 5.13.1968.
441. *Nevado Chilipina*, 5520 m., 18,111 ft. 1. Same information as for nr. 438, 1st. ascent.
2. Same information as for nr. 438, 2nd. ascent.
442. *Cerro Chopujo*, 5520 m., 18,111 ft. 1. W. Axt, 5.13.1968.
443. *Nevado Chopujo*, 5510 m., 18,078 ft. 1. Same information as for nr. 442.
444. *Cerro Challajincho*, 5510 m., 18,078 ft. 1. Same information as for nr. 438, 1st. ascent.
445. *Yucumani* (Candarave), 5508 m., 18,072 ft. 2. A. Parodi, 5.11. 1967. Mario Fantin, *Alpinismo Italiano Extraeuropeo* (Bologna, 1967), p. 109.
(Note: the first recorded ascent was made by W. Church, a Peruvian *gobernador* and an Indian porter, on May 12, 1862; see *RPA* 6, pp. 80-82. Various other ascents may have taken place before and after the year 1967. Information lacking).
446. *Nevado Talabaya*, 5500 m., 18,045 ft. 1. Same information as for nr. 431.
447. *Cerro Pucara*, 5490 m., 18,012 ft. 1. Unknown; a cairn found on top during second ascent.
2. F. Hawelka, B. Klausbrückner, 5.20.1968.
448. *Chañconcurane*, 5483 m., 17,988 ft. 1. Same information as for nr. 419, 1st. ascent, but 5.23.1968.
449. *Nevado Huillane*, 5480 m., 17,979 ft. 1. W. Axt, 5.24.1968.
450. *Nevado Negro*, 5480 m., 17,979 ft. 1. W. Axt, 5.14.1968.
2. F. Hawelka, B. Klausbrückner, 5.25.1968.
451. *Cerro Huancune*, 5471 m., 17,949 ft. 1. Unknown; a cairn found on top during second ascent.
2. W. Axt, 5.24.1968.
452. *Cerro Piscullane*, 5470 m., 17,946 ft. 1. Same information as for nr. 419, 1st. ascent, but 5.23.1968.
453. *Nevado Blanco*, 5470 m., 17,946 ft. 1. B. Saxinger, 5.14.1968.
2. F. Hawelka, B. Klausbrückner, 5.25.1968.
454. *Cerro Mamuta*, 5470 m., 17,946 ft. 1. Same information as for nr. 432.

455. *Cerro Churivico* (Barroso Rocoso), 5463 m., 17,922 ft. 1. Same information as for nr. 439.
456. *Nevado Chontacollo*, 5462 m., 17,920 ft. 1. W. Axt, B. Saxinger, 5.14.1968.
2. F. Hawelka, B. Klausbrückner, 5.25.1968.
457. *Huaychahuirí*, 5452 m., 17,888 ft. 1. Unknown; a cairn found on top during second ascent.
J. Ricker, S. Tatum, 6.1.1970. *AAJ* 1971, p. 410.
458. *Nevado Cruz Vilque*, 5450 m., 17,881 ft. 1. Same information as for nr. 449, but 5.23.1968.
459. *Cerro Iscamoca*, 5440 m., 17,848 ft. 1. W. Axt, R. Heinzel, 5.23.1968.
460. *Nevado Cuivane Grande*, 5440 m., 17,848 ft. 1. W. Axt, 5.24.1968.
461. *Cerro Caparaja*, 5410 m., 17,750 ft. 1. W. Axt, 5.14.1968.
2. F. Hawelka, B. Klausbrückner, 5.25.1968.
462. *Cerro Tarata*, 5410 m., 750 ft. 1. F. Hawelka, B. Klausbrückner, 5.18.1968.
463. *Cerro Tarucache*, 5400 m., 17,717 ft. 1. Same information as for nr. 462.
464. *Huaracante*, 5388 m., 17,677 ft. 1. R. Culbert, 4.6.1966. *RPA* 8, p. 27 and *AAJ* 1968, p. 203.
2. J. Ricker, 10.13.1969. *AAJ* 1970, p. 167.
465. *Cerro Vivaje*, 5330 m., 17,487 ft. 1. Same information as for nr. 462.
466. *Cerro Ajara*, 5330 m., 17,684 ft. 1. Same information as for nr. 462.
467. *Cerro Carepiña*, 5320 m., 17,454 ft. 1. W. Axt, 5.3.1968.
2. R. Heinzel, B. Saxinger, 5.9.1968.
468. *Cerro Chillavane*, 5280 m., 17,323 ft. 1. W. Axt, R. Heinzel, B. Saxinger, 5.23.1968.
469. *Cerro Vicuña*, 5260 m., 17,257 ft. 1. W. Axt, B. Saxinger, 5.12.1968.
470. *Ananta*, 5251 m., 17,228 ft. 1. Unknown; large cairn found on top during second ascent.
2. R. Culbert, 4.8.1966. *RPA* 8, p. 27 and *AAJ* 1968, p. 203.
471. *Cerro Vicuña Chico*, 5250 m., 17,225 ft. 1. Same information as for nr. 467, 1st. ascent.
2. Same information as for nr. 462, 2nd. ascent.
472. *Cerro Llaurimorco*, 5250 m., 17,225 ft. 1. Same information as for nr. 469, but 5.12.1968.
473. *Cerro Lojene*, 5250 m., 17,225 ft. 1. Same information as for nr. 467, 1st. ascent.
2. Same information as for nr. 467, 2nd. ascent.
474. *Cerro Chusatamani*, 5240 m., 17,192 ft. 1. F. Hawelka, B. Klausbrückner, 5.17.1968.

2. W. Axt, R. Heinzel, B. Saxinger, 5.22.1968.
475. *Cerro Chila*, 5240 m., 17,192 ft. 1. B. Klausbrückner, 5.2.1968.
476. *Cerro Picutane*, 5230 m., 17,159 ft. 1. Same information as for nr. 474, but 5.18.1968.
477. *Cerro Villane*, 5170 m., 16,962 ft. 1. B. Saxinger, 5.4.1968.
478. *Cerro Ticaco*, 5160 m., 16,929 ft. 1. Uncertain: Peruvian and American surveyors (F. Du Bois, C. Díaz, N. Fassett, T. MacShane) seem to have ascended this peak under program of Inter-American Geodetic Survey, June or July, 1955; see *National Geographic Magazine*, CIX, 3 (1956), pp. 335-362 (also p.c.).
2. F. Hawelka, B. Klausbrückner, 5.17.1968.
479. *Cerro Burro*, 5150 m., 16,897 ft. 1. B. Saxinger, 5.4.1968.
2. R. Heinzel, 5.8.1968.
- General Note:* a number of lesser peaks of mountains were ascended by the Ö.A.V. 1968 Andean Expedition.

Cordillera Vilcabamba

It appears that most heights obtained by expeditions are too high. Only the figures of Salcantay (from recent surveys by the Peruvian army) and of the Camballa massif (Swiss Foundation for Mountain Research, 1965) can be accepted as accurate.

480. *Nevado Salcantay*, 6271 m., 20,574 ft. 3. S. Iwama, T. Kawada, M. Miyamoto, T. Rito, 6.21.1965. *AAJ* 1966, p. 180.
4. R. Horie, M. Ogawa, Y. Sawa, T. Rito, 6.22.1965. *AAJ* 1966, p. 180.
5. W. Axt, F. Hawelka, B. Klausbrückner, B. Saxinger, 6.29.1968. *AAJ* 1969, p. 433.
6. I. Asahi, H. and Y. Kato, N. Soga, 7.17.1968. *AAJ* 1969, pp. 433-4.
7. H. Karasek, M. Rogge, F. Weidmann, 6.30.1970. *AAJ* 1971, pp. 406-7.
8. B. Cabane, B. Finet, 7.19.1970. *AAJ* 1971, p. 408.
481. *Pumasillo*, 6070 m., 19,915 ft. 6. P. Farrell, B. Hearfield, 6.28.1962. *AJ* 308, pp. 41-62 and *AAJ* 1963, pp. 507-9.
(Note: heights of this peak has been lowered from 20,500 by the Bingham expedition, to 6070 m., by the Egeler-De Booy survey; it appears now that it is even lower, since the New Zealand expedition thought it to be lower than Sacsarayoc. Sacsarayoc was stated by the New Zealanders to be 20,000 ft. high, but Peruvian maps place it at no more than 5996 m., or 19,670 ft., which in turn would mean an even lower figure for Pumasillo).
482. *Sacsarayoc*, 5996 m., 19,670 ft. 1. P. Farrell, 7.19.1962. *AJ* 308, pp. 41-62 and *AAJ* 1963, pp. 507-9.
483. *Lasunayoc*, 19,551 ft. 2. P. Farrell, B. Hearfield, 7.21.1962. *AJ* 308, pp. 41-62 and *AAJ* 1963, pp. 507-9.

3. J. Retchford, R. Wyborn, 7.27.1969. *AJ* 1970, pp. 212-19 and *AAJ* 1970, pp. 164-6.
4. R. Bennett, M. Feller, J. Retchford, R. Wyborn, 7.28.1969. *AJ* 1970, pp. 212-19 and *AAJ* 1970, pp. 164-6.
5. F. Kerr, K. McNaughton, J. Sutton, 7.28.1969. *AJ* 1970, pp. 212-9 and *AAJ* 1970, pp. 164-6.
484. *Cabeza Blanca*, 5940 m (?). 19,488 ft. 2. L. Crawford, H. Furndofler, P. Farrell, B. Hearfield, B. Naylor, V. Walsh, 6.26.1962. *AJ* 308, pp. 41-62 and *AAJ* 1963, pp. 507-9.
485. *Soray* (Humantay), 5917 m., 19,414 ft. 2. Y. Kato, N. Soga, H. Makino, H. Yamamoto, 8.4.1968. *AAJ* 1969, p. 434.
(Note: the Bingham expedition had this peak measured as 19,400 ft. high; the Egeler-De Booy survey lowered it to 5780 m., or 18,964 ft. The figure used here belongs to the new survey by the Peruvian army).
486. *Pico Ccacho*, over 19,000 ft. 1. J. Lawrence, B. McKerrow, 6.26.1968. *AJ* 1969, pp. 256-61 and *AAJ* 1969, pp. 436-8.
487. *Fortaleza*, over 19,000 ft. 1. D. Cowan, P. Goodwin, 8.3.1968. *AJ* 1969, pp. 256-61 and *AAJ* 1969, pp. 436-8.
488. *Nevado Copo de Nieve*, over 19,000 ft. 1. Same information as for nr. 487.
489. *Nevado Quishuar*, 5775 m., 18,947 ft. 1. T. Kawada, T. Rito, 7.16.1965. *AAJ* 1966, p. 180.
2. J. Gamlen, K. McNaughton, J. Sutton, R. Wyborn, 7.13.1969. *AJ* 1970, pp. 212-19 and *AAJ* 1970 pp. 164-6.
490. *unnamed*, 5720 m., 18,766 ft. 1. Same information as for nr. 489, 2nd. ascent, but 7.11.1969.
(Note: ". . . unnamed peak between Quishuar and Yanacacca . . .").
491. *Yanacacca*, 5700 m., 18,701 ft. 1. M. Feller, J. Higgs, J. Retchford, R. Wyborn, 7.7.1969. *AJ* 1970, pp. 212-19 and *AAJ* 1970, pp. 164-6.
492. *Nevado Mitra*, 5680 m., 18,635 ft. 1. L. Crawford, P. Farrell, H. Furndofler, V. Walsh, 6.10.1962. *AJ* 308, pp. 41-62 and *AAJ* 1963, pp. 507-9.
493. *Pucapuca*, 5680 m., 18,635 ft. 2. D. MacKay, B. Naylor, V. Walsh, 6.18.1962. *AJ* 308, pp. 41-62 and *AAJ* 1963 pp. 507-9.
494. *Paccha*, 5638 m., 18,498 ft. 1. J. Retchford, R. Wyborn, 8.4.1969. *AJ* 1970, pp. 212-19 and *AAJ* 1970, pp. 164-6.
(Note: ". . . unnamed peak south of Lasunayoc . . .").
495. *Punayoc*, 5596 m., 18,360 ft. 1. D. McKay, B. Naylor, 7.5.1962. *AJ* 308, pp. 41-62 and *AAJ* 1962, pp. 507-9.
2. J. Gamlen, K. McNaughton, 6.28.1969. *AJ* 1970, p. 218 and *AAJ* 1970, pp. 164-6.
(Note: peak was named Puerto de Yanama during first ascent; the

- 1969 party had it as Quellococha, which seems to duplicate another name in this range; the name used above was taken from *RPA* 9, Segunda parte, p. 7).
496. *Tayanca Noreste*, 5574 m., 18,288 ft. 1. R. Bennett, K. McNaughton, J. Retchford, R. Wyborn, 8.1.1969. *AJ* 1970, pp. 212-19 and *AAJ* 1970, pp. 164-6.
497. *Ccellococha*, 5540 m., 18,177 ft. 1. R. Bennett, J. Gamlen, K. McNaughton, J. Sutton, 7.7.1969. *AJ* 1970, pp. 212-19 and *AAJ* 1970, pp. 164-6.
(*Note*: there is no certainty that name of peak is correctly spelled).
498. *Lasuna*, 5530 m., 18,144 ft. 2. J. Gamlen, J. Higgs, K. McNaughton, J. Sutton, 6.23.1969. *AJ* 1970, pp. 212-19 and *AAJ* 1970, pp. 164-6.
(*Note*: in source quoted, this ascent was not claimed as a first; this peak may correspond to one of the unnamed points ascended by the 1962 New Zealand party).
499. *Nengroyoc Sur*, 5506 m., 18,090 ft. 1. R. Bennett, J. Gamlen, K. McNaughton, J. Sutton, 7.6.1969. *AJ* 1970, pp. 212-19 and *AAJ* 1970, pp. 164-6.
500. *Nengroyoc Norte*, 5498 m., 18,040 ft. 1. M. Feller, J. Higgs, 7.18.1969. *AJ* 1970, pp. 212-19 and *AAJ* 1970, pp. 164-6.
501. *unnamed* (Pico 2), ca. 18,000 ft. 1. B. Naylor, V. Walsh, 7.21.1962. *AJ* 308, pp. 41-62 and *AAJ* 1963, pp. 507-9.
502. *Tayancayoc*, 5486 m., 18,000 ft. 1. J. Gamlen, J. Higgs, 7.26.1969. *AJ* 1970, pp. 212-19 and *AAJ* 1970, pp. 164-6.
503. *Torayoc*, ca. 18,000 ft. 1. P. Green, P. Goodwin, K. McNatty, M. Riding, 6.16.1968. *AJ* 1969, pp. 257-61 and *AAJ* 1969, pp. 436-8.
2. J. Lawrence, B. McKerrow, 6.21.1968. *AJ* 1969, pp. 257-61 and *AAJ* 1969, pp. 436-8.
3. D. Cowan, P. Goodwin, 7.15.1968. *AJ* 1969, pp. 257-61 and *AAJ* 1969, pp. 436-8.
504. *Tituyoc Noreste*, ca. 18,000 ft. 1. J. Retchford, R. Wyborn, 8.7.1969. *AJ* 1970, pp. 212-19 and *AAJ* 1970, pp. 164-6.
(*Note*: name obtained from *RPA* 9, Segunda parte, p. 7; in source quoted above, peak was described as "... unnamed . . . northeast of Tituyoc . . .").
505. *Choquetacaypo*, ca. 18,000 ft. 1. L. Crawford, P. Farrell, H. Furndofler, B. Hearfield, 6.16.1962. *AJ* 308, pp. 41-62 and *AAJ* 1963, pp. 507-9.
506. *Yanacocha Oeste*, 5465 m., 17,930 ft. 1. K. McNaughton, J. Sutton, 8.6.1969. *AJ* 1970, pp. 212-19 and *AAJ* 1970, pp. 164-6.
(*Note*: in source quoted, peak was mentioned as "... unnamed . . . west of Yanacocha . . .". Name used above was taken from *RPA* 9, Segunda parte, p. 7).

507. *Huayanay*, 5464 m., 17,926 ft. 1. C. Eberhard, P. Gendre, 8.14. 1962. *RPA* 8, pp. 27-8 and *AAJ* 1967, p. 395.
508. *Yanacocha* (Huarmicocha), 17,838 ft. 1. J. Higgs, J. Retchford, 7.13.1969. *AJ* 1970, pp. 212-19 and *AAJ* 1970, pp. 164-6.
509. *Azulcocha*, 5428 m., 17,809 ft. 1. R. Bennett, D. Butler, M. Feller, J. Gamlen, K. McNaughton, J. Retchford, 6.26.1969. *AJ* 1970, p. 218 and *AAJ* 1970, pp. 164-6.
2. J. Sutton, R. Wyborn, 6.28.1969. *AJ* 1970, p. 218 and *AAJ* 1970, pp. 164-6.
510. *Nevado Blanco*, 5423 m., 17,790 ft. 1. H. Furndofler, B. Naylor, 6.25.1962. *AJ* 308, pp. 41-62 and *AAJ* 1963, pp. 507-9.
2. T. Kawada, M. Ogawa, 8.28.1965. *AAJ* 1966, p. 180.
3. P. Green, B. McKerrow, K. McNatty, 7.20.1968. *AJ* 1969, p. 261 and *AAJ* 1969, pp. 436-8.
511. *Mellizos* (Ccollpachinac), 5410 m., 17,750 ft. 2. S. Iwami, T. Kawada, 7.31.1965. *AAJ* 1966, p. 180.
3. J. Lawrence, B. McKerrow, 6.17.1968. *AJ* 1969, p. 260 and *AAJ* 1969, pp. 436-8.
4. D. Cowan, A. Higgins, 6.19.1968. *AJ* 1969, p. 260 and *AAJ* 1969, pp. 436-8.
512. *unnamed* (Pico I), 5400 m., 17,717 ft. 1. D. McKay, V. Walsh, 6.30.1962. *AJ* 308, pp. 41-62 and *AAJ* 1963, pp. 507-9.
513. *Ttituyoc*, 17,660 ft. 2. J. Retchford, R. Wyborn, 8.8.1969. *AJ* 1970, pp. 212-19 and *AAJ* 1970, pp. 164-6.
514. *Aguja*, 5350 m., 17,553 ft. 1. P. Green, B. McKerrow, K. McNatty, 6.7.1968. *AJ* 1969, p. 260 and *AAJ* 1969, pp. 436-8.
515. *unnamed*, 5350 m., 17,553 ft. 1. Members of Bayerland Expedition of D.A.V., between June 13 and July 6, 1970. *AAJ* 1971, pp. 406-7.
2. ditto.
3. ditto.
516. *Chuyunco*, 5220 m., 17,127 ft. 1. D. Bourgeois, F. Bourgogne, B. Cabane, B. Finet, B. Gaudefoy, J. Rochon, 7.12.1970. *AAJ* 1971, p. 408.
517. *Caracruz* (Sarcantay Chico), 5219 m., 17,124 ft. 1. J. Bernard, P. Chabrand, L. Dubost, L. Gevril, B. Faïdide, 8.11.1966. *RPA* 8, pp. 27-8.
Various other ascents.
518. *Ancospillaca*, 5200 m., 17,061 ft. 1. A. Barbarin, G. Demenge, 7.3.1966. *RPA* 8, pp. 27-8 and *AAJ* 1967, p. 395.
Various other ascents.
519. *Nevado Caico*, 5200 m., 17,061 ft. 2. H. Furndofler, B. Hearfield, 6.15.1962. *AJ* 308, pp. 41-62 and *AAJ* 1963, pp. 507-9.
3. P. Green, P. Goodwin, K. McNatty, 6.21.1968. *AJ* 1969, p. 260 and *AAJ* 1969, pp. 436-8.

4. A. Higgins, B. McKerrow, 7.15.1968. *AJ* 1969, p. 260 and *AAJ* 1969, pp. 436-8.
520. *Nevado Redondo*, 5200 m., 17,061 ft. 2. L. Crawford, P. Farrell, H. Furndofler, B. Hearfield, 6.16.1962. *AJ* 308, pp. 41-62 and *AAJ* 1963, pp. 507-9.
3. P. Green, P. Goodwin, K. McNatty, 6.21.1968. *AJ* 1969, p. 260 and *AAJ* 1969, pp. 436-8.
521. *Moyocmoyoc*, 5200 m., 17,061 ft. 1. P. Chabrand, M. Delisle, L. Dubost, P. Guillot, R. Sibuet, 8.14.1966. *RPA* 8, pp. 27-8 and *AAJ* 1967, p. 395.
522. *Cúpula*, 5200 m., 17,061 ft. 1. P. Green, K. McNatty, B. McKerrow, 6.6.1968. *AJ* 1969, p. 260 and *AAJ* 1969, pp. 436-8.
523. *Tucarhuay Este*, 5200 m., 17,061 ft. 1. O. Hafliger, V. Imdorf, 8.3.1970. *RPA* 9, Segunda parte, p. 14.
524. *Tutu Orco*, 5200 m., 17,061 ft. 1. D. Cowan, A. Higgins, J. Lawrence, B. McKerrow, 6.13.1968. *AJ* 1969, p. 620 and *AAJ* 1969, pp. 436-8.
525. *unnamed*, 5185 m., 17,010 ft. 1. Same information as for nr. 515, 1st. ascent.
Various other ascents.
526. *unnamed*, 5170 m., 16,962 ft. 1. Same information as for nr. 515, 1st. ascent.
Various other ascents.
527. *Huamanripayoc*, 5160 m., 16,930 ft. 2. D. Butler, K. McNaughton, 6.24.1969. *AJ* 1970, p. 218 and *AAJ* 1970, pp. 164-6.
(*Note*: this was claimed as a second ascent; peak may correspond to another one, unnamed, ascended by New Zealanders. In source quoted, this peak was referred to as unnamed and ". . . North of Yanama Pass . . ."; name used here was taken from *RPA* 9, Segunda parte, p. 7).
528. *Choquesafra*, 5152 m., 16,902 ft. 1. O. Hartmann, 6.7.1968. *AAJ* 1969, p. 434.
Various other ascents by same climber; see source quoted.
529. *unnamed*, 5130 m., 16,831 ft. 1. Same information as for nr. 515, first, second and third ascents.
530. *Cima Rocallosa*, 5123 m., 16,810 ft. 2. H. Furndofler, D. McKay, V. Walsh, 6.23.1962. *AJ* 308, pp. 41-62 and *AAJ* 1963, pp. 507-9.
3. S. Maeshita, M. Morales, T. Kawada, 8.27.1965. *AAJ* 1966, p. 180.
4. R. Horie, M. Ogawa, 8.28.1965. *AAJ* 1966, p. 180.
5. D. Cowan, P. Goodwin, M. Riding, 6.6.1968. *AAJ* 1969, p. 260 and *AAJ* 1969, pp. 436-8.
6. J. Lawrence, B. McKerrow, 6.19.1968. *AJ* 1969, p. 260 and *AAJ* 1969, pp. 436-8.

7. P. Green, K. McNatty, 7.15.1968. *AJ* 1969, p. 260 and *AAJ* 1969, pp. 436-8.
8. P. Green, A. Higgins, 8.13.1968. *AJ* 1969, p. 260 and *AAJ* 1969, pp. 436-8.
531. *Pacca Orco*, ca. 16,800 ft. 1. Same information as for nr. 510, 3rd. ascent, but 7.18.1968.
532. *Acobamba*, 5107 m., 16,762 ft. 1. G. Demenge, L. Dubost, R. Guillot, P. Gendre, 8.7.1966. *RPA* 8, pp. 27-8 and *AAJ* 1967, p. 395.
Various other ascents.
533. *unnamed*, 5100 m., 16,733 ft. 1. Same information as for nr. 515, 1st. ascent.
Various other ascents.
534. *Pucavindo*, 5100 m., 16,733 ft. 1. P. Chabrand, M. Delisle, A. Denjoy, P. Guillot, R. Sibuet, S. Valentini, 8.7.1966. *RPA* 8, pp. 27-8 and *AAJ* 1967, p. 395.
535. *unnamed* (Pico 4), 5100 m., 16,733 ft. 1. L. Crawford, D. McKay, 7.18.1962. *AJ* 308, pp. 41-62 and *AAJ* 1963, pp. 507-9.
536. *unnamed*, 5075 m., 16,650 ft. 1. Same information as for nr. 515, 1st. ascent.
Various other ascents.
537. *Cosñoriti*, 5062 m., 16,600 ft. 1. O. Hartmann, 6.15.1968. *AAJ* 1969, pp. 434-5.
538. *Huayanay Central*, 5036 m., 16,524 ft. 1. G. Demenge, C. Eberhart, P. Gendre, 8.13.1966. *RPA* 8, p. 28 and *AAJ* 1967, p. 395.
539. *Nevado Reyerta*, ca. 16,500 ft. 1. D. Cowan, A. Higgins, 7.1.1968. *AJ* 1969, p. 261 and *AAJ* 1969, pp. 436-8.
540. *Nevado Ñuñu* (East peak), 5000 m., 16,404 ft. 2. P. Green, P. Goodwin, K. McNatty, M. Riding, 6.19.1968. *AJ* 1969, p. 260 and *AAJ* 1969, pp. 436-8.
541. *Nevado Ñuñu* (West peak), 5000 m., 16,404 ft. 2. Same information as for nr. 540.
542. *unnamed*, 5000 m., 16,404 ft. 1. Same information as for nr. 515, 1st. ascent.
Various other ascents.
543. *Cerro Ttio* (Cerro Central), 4888 m., 16,038 ft. 1 (?). J. Ricker, 8.19.1970. *RPA* 9, Segunda parte, p. 15.
(Note: this peak may have been ascended in 1959 by surveyors of the Swiss expedition, particularly E. Spiess; see caption under plate 49, *Die Alpen*, 1, year 1960).
545. *Pico Granito*, ca. 16,000 ft. 1. D. Cowan, P. Goodwin, A. Higgins, 7.26.1968. *AJ* 1969, p. 261 and *AAJ* 1969, pp. 436-8.
General note: the following peak, no height given, was also ascended: unnamed second peak Northeast of Tayancayoc; see *AJ* 1970, p. 219.

Cordillera Urubamba

In spite of its heavy glaciation, this range seems to be lower than what expeditions have stated. Heights should be regarded cautiously. It has not been clearly determined which is the highest peak in the area. Nevado Verónica (Padre Eterno) was measured by Hiram Bingham as 5894 m., but was lowered by Egeler and De Booy to 5750 m. Peruvian maps give 5777 m. to Chainapuerto, but the Italian Biella expedition only gave 5720 m. to Saguasiray, which was thought to be higher than Chainapuerto. Therefore, all figures listed here are subject to revision.

545. *Nevado Verónica (Padre Eterno or Huacrahuilki)*, 5894 m., 19,336 ft. 2. K. Schäfer, Wagner 7.1963 (p.c.).
3. K. Iwatani, H. Tanaka, 9.6.1967. *RPA* 8, p. 36 and *AAJ* 1968, p. 194.
546. *Nevado Saguasiray*, ca. 5800 m., 19,029 ft. 1. C. Pivano, F. Ratto, F. Riva, A. Zappa, 6.21.1963. *RM* 1964, pp. 413-432 and *AAJ* 1964, pp. 217-8.
547. *Nevado Chainapuerto*, ca. 5700 m., 18,701 ft. 1. T. Ingram, P. O'Leary, 7.19.1968. *AAJ* 1969, pp. 439-40.
2. E. Goulding, P. McDermott, 7.21.1968. *AAJ* 1969, pp. 439-40.
548. *Nevado Saguasiray Sur*, ca. 5700 m., 18,701 ft. Same information as for nr. 547.
549. *unnamed* (Pivano), 5440 m., 17,848 ft. 1. F. Ratto, A. Zappa, 6.20.1963. *RM* 1964, pp. 413-432 and *AAJ* 1964, pp. 217-8.
550. *Nevado Cancán*, 5400 m., 17,717 ft. 1. D. Bennett, M. Slesser, 7.1964. *AJ* 311, pp. 240-45 and *AAJ* 1965, pp. 446-7.
2. S. Billane, N. Rice, 7.22.1968. *AAJ* 1969, p. 440.
551. *Sirijuani*, ca. 5400 m., 17,717 ft. 1. R. Brooks, K. Bryan, R. Chalmers, N. Tennent, 7.1964. *AJ* 311, p. 240 and *AAJ* 1965, pp. 446-7.
552. *Terijuay*, 5380 m., 17,651 ft. 1. G. Machetto, C. Pivano, F. Riva, F. Ratto, B. Taiana, A. Zappa, 6.8.1963. *RM* 1964, pp. 413-32 and *AAJ* 1964, pp. 217-8.
553. *unnamed* (Biella), 5350 m., 17,553 ft. 1. Same information as for nr. 553, but 6.7.1963.
554. *unnamed* (Huayafranca?), ca. 5350 m., 17,553 ft. 1. Dingetschweiler and Kleine, 7.29.1963 (p.c.).
555. *unnamed* (Marconi), 5340 m., 17,520 ft. 2. N. Kabayashi, Y. Wachi, 9.4.1967. *RPA* 8, p. 36 and *AAJ* 1968, p. 194.
556. *Quelccanca*, 5330 m., 17,487 ft. 1. F. Ratto, F. Riva, 6.7.1963. *RM* 1964, pp. 413-32 and *AAJ* 1964, pp. 217-8.
557. *unnamed* (Rosaleen), 17,400 ft. (?) 1. S. Billane, N. Rice, 7.19.1968. *AAJ* 1969, p. 440.
558. *Gatuyoc*, 5300 m., 17,389 ft. 1. (?) B. Gunn, J. Nankervis, J.

- Petheram, J. Wild, 7.14.1970. *AJ* 1971, p. 244 and *AAJ* 1971, p. 409.
(Note: in first source quoted, this ascent is not claimed as a first).
559. *Huacratanca* (Northwest peak), ca. 5200 m., 17,061 ft. 1. (?) D. Bennett, K. Bryan, R. Chalmers, E. McNicol, E. Stark, 8.1. 1964. *AJ* 311, pp. 439-40 and *AAJ* 1965, pp. 446-7.
(Note: the Huacratanca peaks offer a confusion situation; it has not been determined which peak was ascended in 1953 by the Ghiglione-Marx party. The Northwest Peak has also been called Northeast in other sources by members of the same expedition. There is still another peak, Huacratanca Este or Sayhua Orco, listed below).
560. *unnamed* (Nevado Gallo), 5190 m., 17,028 ft. 1. Same information as for nr. 553, but 6.7.1963.
561. *Palanganayoc*, 5120 m., 16,798 ft. 1. B. Gunn, J. Nankervis, J. Wild, 7.21.1970. *AJ* 1971, p. 244 and *AAJ* 1971, p. 409.
562. *unnamed* (Bononia), 5110 m., 16,765 ft. 2. H. Furuhata, T. Kato, 8.30.1967. *RPA* 8, p. 36 and *AAJ* 1968, p. 194.
563. *Punta Urco*, ca. 5100 m., 16,733 ft. 1. D. Bennett, R. Chalmers, N. Tennent, 7.1964. *AJ* 311, pp. 240-5 and *AAJ* 1965, pp. 446-7. 2. S. Billane, N. Rice, 7.18.1968. *AAJ* 1969, p. 440.
564. *unnamed*, ca. 5100 m., 16,733 ft. 1. K. Bryan, E. McNicol, 7.1964. *AJ* 311, pp. 240-5 and *AAJ* 1965, pp. 446-7.
565. *Quenti* (West peak), 5060 m., 16,601 ft. 1. G. Hughes, M. O'Gorman, 8.10.1968. *AJ* 1969, pp. 263-70 and *AAJ* 1969, pp. 440-1. 2. B. Gunn, J. Nankervis, J. Petheram, J. Wild, 7.14.1970. *AJ* 1970, p. 244 and *AAJ* 1971, p. 409.
566. *Yunca Huacaychac*, 5060 m., 16,601 ft. 1. C. Harding, J. Nankervis, 7.25.1970. *AJ* 1971, p. 244 and *AAJ* 1971, p. 409.
567. *unnamed* (Agostini), 5050 m., 16,568 ft. 1. Same information as for nr. 554.
- 567a. *Pedrayoc*, ca. 5050 m., 16,568 ft. 1. Dingetschweiler, Kleine, K. Schäfer and Wagner, 7.1963 (p.c.).
568. *Capacsaya* (Medialuna), 5060 m., 16,601 ft. 1. M. Moore, J. Ricker, 4.29.1970. *AAJ* 1971, p. 410.
569. *Plateriyayoc*, 5038 m., 16,530 ft. 1. D. Kemp, G. Thomas, D. Williams, 8.9.1968. *AJ* 1969, pp. 263-70 and *AAJ* 1969, p. 440.
570. *unnamed*, ca. 16,500 ft. 1. S. Billane, N. Rice, 8.4.1968. *AAJ* 1969, p. 440.
(Note: ". . . rock peak which is linked to Padre Eterno by the latter's northeast ridge . . .").
571. *unnamed* (Padova), 5010 m., 16,437 ft. 1. M. Angeles, G. Bortolami, G. Calogero, G. Murillo, C. Pivano, A. Zappa, 6.9.1963. *RM* 1964, pp. 413-32 and *AAJ* 1964, pp. 217-8.

572. *Cucullani*, 5000 m., 16,404 ft. 1. Unknown; cairn found on top during second ascent.
2. D. Bennett, K. Bryan, R. Chalmers, R. Stark, 8.3.1964. *AJ* 311, pp. 24-5 and *AAJ* 1965, pp. 446-7.
3. S. Billane, M. Lunt, N. Rice, 7.31.1968. *AAJ* 1969, pp. 439-40.
573. *Huacratanca* (East peak), 5000 m., (?), 16,404 ft. 1. M. Moore, J. Ricker, 4.27.1970. *AAJ* 1971, p. 410.
(Note: peak appears to be also locally known as Sayhua Orco).
574. *unnamed* (Andorno), 5000 m., 16,404 ft. 1. G. Bortolami, G. Calogero, 6.20.1963. *RM* 1964, pp. 413-32 and *AAJ* 1964, pp. 217-8.
G. Machetto, 6.25.1963. *RM* 1964, pp. 413-32 and *AAJ* 1964, pp. 217-8.
575. *Pucará*, 4970 m., 16,306 ft. 1. B. Gunn, J. Nankervis, 8.1.1970. *AJ* 1971, p. 244 and *AAJ* 1971, p. 409.
576. *unnamed*, 4955 m., 16,255 ft. 1. J. Osauskas, J. Ricker, 1970. *RPA* 9 (Parte II), p. 15 and *AAJ* 1971, p. 410.
577. *Terijuay Chico*, 4950 m., 16,240 ft. 1. Same information as for nr. 553, but 6.4.1963.
578. *Yuractura*, 4940 m., 16,208 ft. 1. B. and P. Webb, J. Petheram, 7.22.1970. *AJ* 1971, p. 244 and *AAJ* 1971, p. 409.
579. *Tahua Yana Ñañacura*, 4940 m., 16,208 ft. 1. J. Nankervis, J. Petheram, 7.19.1970. *AJ* 1971, p. 244 and *AAJ* 1971, p. 409.
580. *Paycuynapac Quilla*, ca. 16,150 ft. 1. A. Hunt, G. Kemp, M. Lewis, M. O'Gorman, G. Thomas, 8.13.1968. *AJ* 1969, pp. 263-70 and *AAJ* 1969, p. 440.
2. J. Nankervis, 6.21.1970. *AJ* 1971, p. 244 and *AAJ* 1971, p. 409.
3. B. Gunn, J. Wild, 7.15.1970. *AJ* 1971, p. 244 and *AAJ* 1971, p. 409.
(Note: peak is also referred to as Chiptana-can Paycuynapac).
581. *Cuchupicchu*, 4900 m., 16,076 ft. 1. J. Nankervis, 8.2.1970. *AJ* 1971, p. 244 and *AAJ* 1971, p. 409.
582. *Quemi*, 4900 m., 16,076 ft. 1. B. Gunn, C. Harding, J. Petheram, 7.32.1970. *AJ* 1971, p. 244 and *AAJ* 1971, p. 409.
583. *Iscay Chiptana*, ca. 15,950 ft. 1. O. Davis, A. Hunt, M. Lewis, D. Williams, 8.6.1968. *AJ* 1969, pp. 263-70 and *AAJ* 1969, p. 440.
2. C. Harding, J. Nankervis, B. Webb, 7.5.1970. *AJ* 1971, p. 244 and *AAJ* 1971 p. 409.

Cordillera Vilcanota

La Raya, Vilcanota and Ayacachi groups are included. After the type was set Olaf Hartmann kindly made corrections. Corrections in altitudes have upset the order in which the peaks are given.

584. *Nevado Ausangate*, 6384 m., 20,945 ft. 2. H. Mayer, H. Oberhofer, A. Rother, 7.12.1966. *RPA* 8, p. 25 and *AAJ* 1967, pp. 395-7.
 3. C. Engelmann, U. Kerner, M. Schneider, K. Winkler, 7.12.1966. *RPA* 8, p. 25 and *AAJ* 1967, pp. 395-7.
 4. H. Caha, W. Kabl, 6.20.1967. *AAJ* 1968, p. 191.
 5. H. Schmidt, W. Weinzierl, 7.31.1969. *AAJ* 1970, p. 37.
 6. J. Bernard, J. Fiésafond, J. Lerondier, B. Mathieu, 7.21.1970. *AAJ* 1971, p. 412.
585. *Colquecruz*, ca. 6050 m., 19,849 ft. 2. T. Shimomura, Y. Terashima, 7.21.1965. *RPA* 7, p. 60 and *AAJ* 1966, p. 180.
586. *Nevado Jatunhuma*, 6094 m., 19,996 ft. 2. C. Engelmann, U. Kerner, H. Mayer, M. Schneider, 6.28.1966. *RPA* 8, p. 25 and *AAJ* 1967, pp. 395-7.
 3. H. Caha, W. Kabl, 6.6.1967. *AAJ* 1968, p. 191.
587. *Nevado Huiscachani* (Ñañaloma)*, ca. 6045 m., 19,833 ft. 4. Ichizuka, T. Shimomura, 8.4.1965. *RPA* 7, p. 60 and *AAJ* 1966, p. 180.
 (Note: the Harvard expedition had previously named this peak Jatunriti).
588. *Cayangate V* (*Nevado Chimbaya*), 6010 m., 19,718 ft. 1. U. Kerner, H. Oberhofer, A. Rother, K. Winkler, 6.23.1966. *RPA* 8, p. 25 and *AAJ* 1967, pp. 395-7.
 2. Members of same German expedition but no names given. Same information as first ascent but 6.26.1966.
589. *unnamed* (*Nevado Zapato*), ca. 19,500 ft. 2. S. Ichizuka, T. Shimomura, Y. Takiguchi, 8.3.1965. *RPA* 7, p. 60 and *AAJ* 1966, p. 180.
590. *Cayangate III*, over 5900 m. 1. S. Tanaka, S. Yokoyama, 7.27. 1961. *RPA* 5, p. 50.
 (Note: in *AAJ* 1962, p. 262, climbers are named S. Takana and S. Yokomura).
591. *Cayangate II*, over 5900 m. 1. A. Nomura, I. Ogawa, 7.26.1961. *RPA* 5, p. 50 and *AAJ* 1962, p. 262.
- 591a. *unnamed* ("Proscenio"), 5870 m (?), 19,259 ft. 1. Same information as for 567a, but 6.20.1963.
592. *Huilayoc Norte*, 5841 m., 19,163 ft. 1. F. Kerr, 7.18.1969. *AAJ* 1970, p. 161.
593. *Mariposa*, 5818 m., 19,090 ft. 2. H. Oberhofer, K. Winkler,

* Huiscachani was called Yanaloma by Ghiglione who got this from the official map where it appeared as Yañaloma. This in turn is a mispronunciation of Ñañaloma. It is clear that this is the peak the 1967 Harvard party climbed, but they made the *second* ascent. The latest Carta Nacional gives c. 6045 as its altitude. This and Colquecruz have often been confused.

- 6.26.1966. *RPA* 8, p. 25 and *AAJ* 1967, pp. 395-7.
3. B. Amy, C. Choquet, 7.15.1970. *AAJ* 1971, p. 412.
4. J. Harkness, R. McCalley, V. Vogt, J. Weiss, 7.20.1970. *AAJ* 1971, p. 413.
594. *Ccapana*, 5725 m., 18,784 ft. 3. H. Oberhofer, K. Winkler, 6.29.1966. *RPA* 8, p. 25 and *AAJ* 1967, pp. 395-7.
595. *Pachanta*, 5727 m., 18,790 ft. 2. J. and S. Badier, G. Cerrutti, J. Bertucca, M. Berquet, C. Choquet, B. Amy, 7.19.1970. *AAJ* 1971, p. 412.
(*Note*: this party did not actually reach the summit, having stopped ". . . one easy rope-length from the summit . . ." because of a storm).
596. *unnamed (Ausangate Chico, Chico)*, 5700 m., 18,701 ft. 1. H. Mayer, M. Schneider, 6.27.1966. *RPA* 8, p. 25 and *AAJ* 1967, pp. 395-7.
2. Same information as for nr. 593, 3rd ascent, but 7.14.1970.
597. *unnamed*, 5680 m., 18,635 ft. 1. B. Jaenisch, V. Schwarz, M. Sturm, 7.6.1969. *AAJ* 1970, p. 166.
2. S. Godfrey, R. Hendrix, J. Harkness, R. McCalley, V. Vogt, J. Weiss, 7.16.1970. *AAJ* 1971, p. 413.
598. *Ayacachi I*, c. 5470 m., 17,946 ft. 1 (?) A. Nomura, Y. Ogawa, S. Tanaka, 7.9.1961. *RPA* 5, p. 50 and *AAJ* 1962, p. 262.
(*Note*: although listed in source quoted as a first ascent, the Spanish 1961 expedition may have made this climb before).
599. *Quiscalaya*, 5645 m., 18,520 ft. 1. P. Barry, O. Hartmann, 7.8.1969. *AAJ* 1971, pp. 415-6.
600. *Nevado de Sombreruni*, 5645 m., 18,520 ft. 1. O. Hartmann, 8.9.1969. *AAJ* 1971, p. 417.
601. *Quishuarnioj*, ca. 18,500 ft. 1. Same information as for nr. 599, but 7.10.1969; *AAJ* 1971, p. 416. (Also called Toltoquere.)
602. *Nevado Chimboya* (Chabuca), ca. 5500 m., 18,045 ft. 2. K. Fuchsberger, A. Kling, F. März, W. Reichhardt, 7.29.1968. *AAJ* 1969, p. 442.
603. *Concha de Caracol*, 5630 m., 18,471 ft. 1. Same information as for nr. 593, 2nd. ascent, but 6.18.1966.
2. Members of Academic Alpine Club Munich expedition, no names given, 6.19.1966. *AAJ* 1967, p. 396.
604. *unnamed*, 5625 m., 18,455 ft. 1. M. Moore, S. Webster, J. Ricker, 11.12.1969. *AAJ* 1970, p. 46.
(*Note*: in *RPA* 9, Segunda parte, p. 8, this peak appears with the name of Sibinacocha-riti).
605. *Caracol*, 5619 m., 18,435 ft. 2. Same information as for 567a, but 6.23.1963.
3. G. Engelmann, U. Kerner, H. Mayer, A. Rother, M. Schneider, 6.19.1966. *RPA* 8, p. 25 and *AAJ* 1967, pp. 395-7.

606. *Campa II*, 5611 m., 18,409 ft. 2. G. Engelmann, M. Schneider, 6.22.1966. *RPA* 8, p. 25 and *AAJ* 1967, pp. 395-7.
 3. M. Berquet, J. Bertucca, G. Cerrutti, C. Choquet, 7.13.1970. *AAJ* 1971, p. 412.
607. *unnamed*, 5600 m., 18,373 ft. 1. E. and J. Osauskas, 5.1969. *AAJ* 1970, p. 45.
 (*Note*: "the main divide . . . the high point to the west of p 5435 . . .").
608. *Cascaña Este* (Escopitani II), 5460 m., 17,914 ft. 1. Same information as 602 but 7.31.1968.
609. *Quello Norte*, 5600 m., 18,373 ft. 1. G. Engelmann, H. Oberhofer, M. Schneider, 7.18.1966. *RPA* 8, p. 26 and *AAJ* 1967, pp. 395-7.
610. *Campa III*, 5580 m., 18,307 ft. 2 (?). F. Brustlein, F. Gaz, N. Hermet, B. Lestier, 7.14.1970. *RPA* 9, Segunda parte, p. 13.
 (*Note*: in source quoted, this ascent was not claimed as a first).
 3. M. Gay, A. and M. Drevet, 7.17.1970. *AAJ* 1971, p. 412.
611. *Paco*, 5560 m., 18,242 ft. 1. Same information as for nr. 609, but 7.16.1966.
612. *unnamed*, 5550 m., 18,209 ft. 1. Members of Academic Alpine Club Munich, 7.4.1966. *AAJ* 1967, p. 396.
613. *Pacco*, 5550 m., 18,209 ft. 1. U. Kerner, K. Winkler, 7.3.1966. *RPA* 8, p. 25 and *AAJ* 1967, pp. 395-7.
614. *Ayacachi IV*, 5360 m., 17,585 ft. 1. H. Minami, I. Misawi, 7.8.1961. *AAJ* 1962, p. 262.
615. *Condortucco*, 5586 m., 18,327 ft. 1. G. Hauser, P. Rosenthal, 7.16.1968. *AAJ* 1969, p. 439.
616. *Santa Juana*,* c. 5400 m., 17,717 ft. 1. G. Murillo, H. Sumaria, M. Tomayconza, 8.30.1966. *RPA* 8, p. 10.
617. *Sasahuini* (Julia), c. 5400 m., 17,717 ft. 1. P. Acuña, F. Mautino, 6.19.1961. *RPA* 5, p. 49 and *AAJ* 1962, pp. 260-1.
 2. J. Ricker, S. Webster, J. Wilson, 7.25.1970. *AAJ* 1971, p. 413.
618. *Quello Sur*, 5520 m., 18,111 ft. 1. Same information as for nr. 609, but 7.19.1966.
619. *Jurucucho*, ca. 18,100 ft. 1. J. Wilson, J. Ricker, 7.23.1967. *AAJ* 1968, p. 199.
620. *Quellurata*, ca. 5500 m., 18,045 ft. 1. O. Hartmann, 8.7.1969. *AAJ* 1971, p. 417.
621. *Melgar*, 5500 m., 18,045 ft. 1. Same information as for nr. 616, but 9.10.1966.

* Identification of several peaks is difficult. 616. Santa Juana may be Jatuncucho (5381 m.); 621. Melgar may be Nevado Chinchina Sur (5424 m.); and 630. Santa Rosa may be Cerro Chimboya (5489 m.). 622a. Cerro Chimboya is definitely the highest in the whole Nudo de Vilcanota.—O. Hartmann.

622. *Ayacachi III*, c. 5310 m., 17,421 ft. Same information as for nr. 598, including *Note*).
- 622a. *Cerro Chimboya* (Nevado Vilcanota, Iruna, Inchurusi), 5489 m., 18,009 ft.
4. O. Hartmann, 8.4.1967. *AAJ* 1969, p. 436.
(*Note*: for explanation of repetition of names Chimboya and Chimbaya, as well as for heights, see *AAJ* 1970, p. 43.)
623. *Nevado Cuchillo* (Huayna Alpamayo), ca. 18,000 ft. 2. S. Ichizuka, N. Hiroshi, 7.24.1965. *RPA* 7, p. 60 and *AAJ*, 1966, p. 180.
624. *Taipicala*, 5485 m., 17,996 ft. 1. O. Hartmann, 7.9.1969. *AAJ* 1971, p. 416.
625. *Campa I*, 5485 m., 17,996 ft. 5. H. Mayer, K. Winkler, 6.16.1966. *RPA* 8, p. 24.
Various other ascents.
- 625a. *unnamed* ("Trapecio"), 5470 m (?), 17,946 ft. 1. Same information as for 567a, but 6.19.1963.
626. *Majuriti* (Chinchina), 5463 m., 17,923 ft. 1. J. Ricker, 5.6.1970. *AAJ* 1971, p. 411.
(*Note*: P. Ghiglione and F. Mautino claimed to have ascended six peaks of the Chinchina group, up to 5450 m. in 1959; see *Anuario* 1962, of Federación de Andinismo de Chile, pp. 152-7).
627. *unnamed* ("Doris"), 5460 m., 17,914 ft. 1. A. Rother, 7.7.1966. *RPA* 8, p. 25 and *AAJ* 1967, pp. 395-7.
2. M. Gay, M. Soulier, 7.19.1970. *AAJ* 1971, p. 412.
628. *Tinqui*, 5450 m., 17,881 ft. 1. G. Engelmann, U. Kerner, H. Oberhofer, A. Rother, 6.16.1966. *RPA* 8, p. 24 and *AAJ* 1967, pp. 395-397.
2. H. Mayer, M. Schneider, 6.19.1966. *RPA* 8, p. 25 and *AAJ* 1967, pp. 395-7.
S. Badier, J. Bertucca, G. Cerrutti, 7.22.1970. *AAJ* 1971, p. 412.
629. *Ayacachi II*, c. 5260 m., 17,257 ft. 1. Same information as for nr. 598, including *Note*.
630. *Santa Rosa*, 5450 m., 17,881 ft. 1. K. Schäfer, Wagner, 7.2.1963 (p.c.).
2. Same information as for nr. 616, but 9.28.1966.
(*Note*: in source quoted, this second ascent was claimed as a first, since the German-Swiss climb was left unreported).
- 630a. *Surimani*, 5450 m., 17,881 ft. 2. K. Schäfer, Wagner, 6.29.1963. (p.c.).
631. *Cunurana*, 5443 m., 17,858 ft. 2. G. Murillo, M. Tomayconza, 7.28.1962. *RPA* 6, pp. 40 and 79.
3. J. Duttle, A. Gonnet, M. Nicollier, 7.29.1970. *RPA* 9, Segunda parte, p. 15.
632. *Quelma*, 5437 m., 17,840 ft. 1. J. Ricker, J. Wilson, 7.24.1967. *AAJ* 1968, p. 199.

633. *Caico* (Colquepunco I, Montserrat), 5470 m., 17,946 ft. 1. M. Anglada, F. Bescós, F. Guillamón, J. Pons, 6.13.1961. *RPA* 5, p. 59 and *AAJ* 1962, pp. 260-1.
634. *unnamed*, 5435 m., 17,830 ft. Same information as for nr. 607.
635. *Colquepuncu*, 5435 m., 17,830 ft. 2. J. Anglada, J. Pons, F. Guillamón, 6.17.1961. *RPA* 5, p. 49 and *AAJ* 1962, pp. 260-1.
3. I. Misawa, H. Minami, 7.8.1961. *RPA* 5, p. 50 and *AAJ* 1962, p. 262.
(*Note*: party of first ascent, in 1953 had given 6020 m. as height for this peak).
In *AAJ* 1970, p. 47, the name of "Colquepunco II" is recommended for this peak, so as to distinguish it from the several other summits of the same massif).
636. *unnamed*, 5430 m., 17,815 ft. 1.(?) J. Ricker, 5.4.1970. *AAJ* 1971, p. 411.
(*Note*: the name of Quilcapata appears to apply to this peak).
637. *Colquepunco III* (Soledad), 5430 m., 17,815 ft. 1. P. Acuña, F. Mautino, 6.19.1961. *RPA* 5, p. 49.
638. *Huillaserku* (Barcelona), 5430 m., 17,815 ft. 1. Same information as for nr. 635, 2nd ascent, but 6.18.1961.
639. *Quimsachta*, 5425 m., 17,800 ft. 1. P. Barry, O. Hartmann, 7.13. 1969. *AAJ* 1971, p. 416.
- 639a. *unnamed* ("Cono"), 5420 m.(?), 17,782 ft. 1. Same information as for 567a, but 6.19.1963.
640. *Coylloriti*, 5402 m., 17,723 ft. 1. A. Pérez, S. Rivas, 6.16.1961. *RPA* 5, p. 48 and *AAJ* 1962, pp. 260-1.
2. A. Misawa, I. Nishimura, S. Yokoyama, 7.4.1961. *RPA* 5, p. 50 and *AAJ* 1962, p. 262.
3. Same information as for 567a, but 7.7.1963.
641. *unnamed* ("Campacito"), 5390 m., 17,684 ft. 1. B. Amy, L. Laporte, 7.12.1970. *AAJ* 1971, p. 412.
- 641a. *Ccoyllorhuaycuna*, 5370 m., 17,618 ft. K. Fuchsberger, A. Kling, W. Reichhardt, 7.30.1968. *AAJ* 1969, p. 442.
642. *Saliojla*, 5339 m., 17,517 ft. 1. G. Hauser, P. Rosenthal, 7.8.1968. *AAJ* 1969, p. 439.
643. *Chunticollo* (Guadalupe), 5335 m., 17,502 ft. 1. A. Pérez, S. Rivas, 6.1961. A. Aymat, *Los Andes: 400 años después* (Madrid, 1963), p. 163 and *AAJ* 1962, pp. 260-1.
644. *Alayani* (Consuelo), 5330 m., 17,487 ft. 1. J. Bescós, J. Regil, 6.23.1961. *RPA* 5, p. 48 and *AAJ* 1962, pp. 260-1.
2. J. Ricker, B. Whelan, 7.27.1970. *AAJ* 1971, p. 414.
645. *Pichiya*, ca. 5300 m., 17,389 ft. 1. (?) P. Barry, J. Ricker, 7.20. 1969. *AAJ* 1970, p. 45.
(*Note*: charted as 5454 m. on Peruvian maps, but 5300 m. according to estimate of climbers. There is no certainty if this is a first

- ascent, since the British 1956 expedition led by J. Jewell climbed a Pichiya).
646. *unnamed* ("Maricarmen"), 5300 m., 17,553 ft. 1. J. Ricker, 10.17. tion as for nr. 617, but 6.20.1961.
647. *Cerro Chimboya Norte*, 5350 m., 17,553 ft. 1. J. Ricker, 10.17. 1969. *RPA* 9, Segunda parte, p. 8 and *AAJ* 1970, p. 46.
648. *Coriacancha* (Rosario), 5300 m., 17,389 ft. 1. J. Bescós, J. Regil, 6.1961. Aymat, *op. cit.*, p. 164 and *AAJ* 1962, pp. 260-1.
649. *Minasnijoj* (Huamanripa, Yanarico), ca. 17,300 ft. 2. O. Hartmann, 9.6.1967. *AAJ* 1969, p. 436.
(*Note*: first ascent of this peak was made ". . . by the southeast névé years ago by Eduardo de Bary, and Luicho, of Ccapana . . ."; see source quoted).
- 649a. *Huamanpoco*, ca. 5300 m., 17,389 ft. 1. J. Cancio, F. Gutiérrez, D. Latorre, G. Murillo, J. Ramos, 7.26.1964. *RPA* 7, p. 28.
650. *Yuracuno* (San Vicente), ca. 17,300 ft. 2. J. Ricker, J. Wilson, 7.10.1967. *AAJ* 1968, p. 199.
3. O. Hartmann, 8.29.1967. *AAJ* 1969, p. 436.
651. *Ausanriti*, 5290 m., 17,356 ft. 1. H. Mayer, M. Schneider, 6.21. 1966. *RPA* 8, p. 25 and *AAJ* 1967, pp. 395-7.
652. *Tinqui Norte*, 5270 m., 17,290 ft. 1. U. Kerner, K. Winkler, 6.17. 1966. *RPA* 8, p. 24 and *AAJ* 1967, pp. 395-7.
653. *unnamed* (Hauser), 5260 m., 17,257 ft. 1. P. Acuña, F. Mautino, 6.24.1961. *RPA* 5, p. 48 and *AAJ* 1962, pp. 260-1.
654. *unnamed* (Amboto), 5250 m., 17,225 ft. 1. Same information as for nr. 640, 1st ascent, but p. 49.
2. Same information as for 567a but 7.7.1963.
655. *unnamed* (M.Bescós), 5250 m., 17,225 ft. 1. Same information as for nr. 644, 1st ascent, but 6.20.1961.
656. *unnamed* (Rosa), 5250 m., 17,225 ft. 1. Same information as for nr. 646.
- 656a. *Quiruyoj*, 5250 m., 17,225 ft. 1. O. Hartmann, 7.20.1968. *AAJ* 1969, p. 435.
- 656b. *Huayacauri*, 5243 m., 17,200 ft. 1. O. Hartmann, 7.19.1968. *AAJ* 1969, p. 435.
2. *ditto*, but 7.21.1968.
657. *Pinquilloni Norte* (Gaudi), 5230 m., 17,159 ft. F. Guillamón, 6.1961. Aymat, *op. cit.*, p. 164 and *AAJ* 1962, pp. 260-1.
658. *Cacaquiru Este*, 5230 m., 17,159 ft. 1. A. Rother, 6.27.1966. *RPA* 8, p. 25 and *AAJ* 1967, pp. 395-7.
659. *unnamed* (Perú), 5220 m., 17,126 ft. 1. Same information as for nr. 644, 1st ascent, but 6.22.1961.
660. *unnamed* (España), 5220 m., 17,126 ft. 1. Same information as for nr. 659.

661. *unnamed* (Ana), 5200 m., 17,060 ft. 1. Same information as for nr. 659, but 6.20.1961.
662. *unnamed* (María del Pilar), 5200 m., 17,060 ft. 1. J. Regil, J. Bescós, 6.1961. Aymat, *op. cit.*, p. 165.
663. *Palomani*, 5200 m., 17,060 ft. 1. J. Ricker, 11.13.1969. *AAJ* 1970, p. 46.
664. *Cadarache*, 5200 m., 17,060 ft. 1. R. and R. Schachtele, J. Thevenau, M. Volpi, 7.16.1970. *RPA* 9, Segunda parte, p. 39.
665. *Quicu*, ca. 17,000 ft. 1. O. Hartmann, 9.1.1968. *AAJ* 1969, p. 435.
666. *Payachata Central* (Nevado de Incaichuni), ca. 5300 m., 17,389 ft. 1. M. Clarbrough, G. Wayatt, 7.1969. *AAJ* 1970, pp. 160-1.
667. *Payachata Este*, ca. 17,250 ft. 1. Same information as for nr. 66.
- 667a. *Surumpioj*, 5165 m., 16,946 ft. 1. O. Hartmann, 7.21.1968. *AAJ* 1969, p. 435.
668. *Huallatani-Colquepunco*, 5165 m., 16,945 ft. 1. J. Ricker, S. Webster, B. Whelen, J. Wilson, 7.23.1970. *AAJ* 1971, p. 413.
669. *unnamed* (Aragón), 5150 m., 16,897 ft. 1. Same information as for nr. 659, but 6.21.1961.
670. *unnamed*, ca. 16,900 ft. 1. P. Barry, J. Ricker, 7.19.1969. *AAJ* 1970, p. 45.
(Note: "... the snow point . . . immediately southwest of the . . . Abra Laccopata . . .").
671. *Pinquilloni Sur* (Cataluña), 5135 m., 16,846 ft. 1. F. Guillamón, 6.1961. Aymat, *op. cit.*, p. 164 and *AAJ* 1962, pp. 260-1.
(Note: in source quoted, this peak appears as 5270 m. high).
672. *unnamed* (Marián), 5130 m., 16,831 ft. 1. Same information as for nr. 653.
673. *unnamed* (Nevado de Yanaruna I), 5120 m., 16,798 ft. 1. Same information as for nr. 602, but 7.27.1968.
674. *Torre Antapuncu* (San Jerónimo), 5100 m., 16,733 ft. 1. F. Mautino, P. Acuña, 6.20.1961. *RPA* 5, p. 49 and *AAJ* 1962, pp. 260-1.
675. *unnamed*, ca. 16,700 ft. 1. P. Barry, J. Ricker, 7.18.1969. *AAJ* 1970, p. 45.
(Note: "... on the northeast ridge of P 5841. . . .")
676. *unnamed*, ca. 16,700 ft. 1. J. Ricker, 7.22.1969. *AAJ* 1970, p. 45.
(Note: "... unnamed point . . . above the abandoned Mina Santa Rosa. . . .")
677. *unnamed* (Iscaychata), 5100 m., 16,732 ft. 1. O. Hartmann, J. Ricker, 7.14.1969. *AAJ* 1970, p. 45 and *AAJ* 1971, pp. 416-8.
(Note: "... the yellow rock peak . . . northeast of Quimsachata.")
678. *unnamed* (Provence), 5070 m., 16,634 ft. 1. D. Rancon, R. and R. Schachtele, J. Thevenau, 7.14.1970. *RPA* 9, Segunda parte, p. 39.

679. *unnamed*, 5055 m., 16,585 ft. 1. J. Ricker, 10.26.1969. *AAJ* 1970, p. 47.
 (Note: ". . . a peak . . . which lies due northeast of Laguna Jam-patuni. . . .")
680. *unnamed* (Guadarrama), 5050 m., 16,568 ft. 1. P. Acuña, F. Mautino, 6.25.1961. *RPA* 5, p. 49 and *AAJ* 1962, p. 260.
681. *unnamed* (San Lorenzo), 5050 m., 16,568 ft. 1. Same information as for nr. 680.
682. *Yanasivi*, 5130 m., 16,831 ft. 1. O. Hartmann, 7.22.1968. *AAJ* 1969, p. 435.
683. *Occororopata*, 5030 m., 16,503 ft. Same information as for nr. 602, but 7.24.1968.
- General note:* several peaks, with no height given, have also been ascended:
 —". . . the two smaller snow peaks immediately northwest of P 5841 . . . on July 15 and 17 . . ." by F. Kerr (*AAJ* 1970, p. 161);
 —four small peaks ascended by W. Whelen, J. Wilson, 1970; *AAJ* 1971, p. 414.
- A number of peaks ascended by the Spanish 1961 expedition have been omitted from this list, since "many of the points on the ridges of Coylloriti are minor, including "P. Brasas," "Peñalara," "Castilla," "Méndez," "Galayos," "Larios," "Carmen," "Pedra-forca," "Conchita," "Marta," "Lolita," "I. Capeta," "Magarall" and "Angel Mateo"; see *AAJ* 1970, p. 45.

Cordillera Carabaya

For a delimitation between the Cordilleras Vilcanota and Carabaya, refer to *AAJ* 1970, pp. 42-44.

684. *Allinccapac*, 5748 m., 18,859 ft. 3. A. Chinn, S. Dudley, D. Massam, A. Parton, 7.5.1967. *AAJ* 1968, p. 202.
 4. O. Hartmann, 7.3.1968. *AAJ* 1969, p. 435.
685. *Huaynaccapac*, 5678 m., 18,629 ft. 2. A. Chinn, S. Dudley, D. Massam, A. Parton, 7.6.1967. *AAJ* 1968, p. 202.
686. *Chichiccapac*, 5614 m., 18,426 ft. 3. B. Chase, A. Tomlinson, 7.23.1965. *AJ* 314, pp. 125-6.
 4. O. Hartmann, A. Laubacher, 6.28.1968. *AAJ* 1969, p. 435.
687. *Tococcapac*, 5613 m., 18,415 ft. 2. A. Chinn, S. Dudley, R. MacKenzie, D. Massam, A. Parton, 6.21.1967. *AAJ* 1968, p. 201.
688. *unnamed* (Cornice), 5600 m., 18,375 ft. 1. D. Massam, A. Parton, 7.1.1967. *AAJ* 1968, p. 202.
689. *unnamed* (Tower), 5577 m., 18,295 ft. 1. A. Chinn, B. Dudley, D. Massam, A. Parton, 6.29.1967. *AAJ* 1968, p. 202.
690. *Yuraccapac*, 5567 m., 18,267 ft. 3. Same information as for nr. 687, 2nd ascent.
 (Note: in *AAJ* 1962, p. 334, this peak is listed as Uraccapac.)

691. *Chilpariti*, ca. 18,200 ft. 1. E. and R. Whewell, 5.25.1968. *AAJ* 1969, p. 438.
(Note: this peak had been provisionally named before "Wedge Peak" by previous parties.)
692. *unnamed* (Screwdriver), 5543 m., 18,184 ft. 1. B. Chase, A. Tomlinson, 8.16.1965. *AJ* 314, p. 125.
2. A. Chinn, S. Dudley, D. Massam, A. Parton, 6.27.1967. *AAJ* 1968, p. 202.
3. A. Chinn, W. Goodfellow, 6.30.1967. *AAJ* 1968, p. 202.
693. *unnamed* (Trident), 18,012 ft. 1. B. Dudley, A. Chinn, R. McKenzie, D. Massam, A. Parton, 6.22.1967. *AAJ* 1968, p. 201.
694. *unnamed* (Haydée Bruno), 5450 m., 17,881 ft. 1. J. Cancio, F. Gutiérrez, G. Murillo, 7.23.1964. *RPA* 7, p. 28 and *AAJ* 1966, p. 171.
2. V. López, J. Pons, 8.8.1966. *RPA* 8, p. 27 and *AAJ* 1967, p. 397.
695. *Nevado Quenamari*, ca. 5300 m., 17,389 ft. 2. A. Parodi and six Peruvian students, 9.28.1961. Mario Fantin, *Alpinismo Italiano Extraeuropeo* (Bologna, 1967), p. 107.
696. *Lloqueta* (Nevado Quenamari Oeste), ca. 5300 m., 17,389 ft. 1. I. Mamani, A. Pizarro, 8.21.1966. *RPA* 8, p. 9.
697. *Cotrillane*, ca. 17,500 ft. 1. Unknown; a cairn found on top during second ascent.
2. P. Barry, O. Hartmann, 7.29.1969. *AAJ* 1970, p. 166 and *AAJ* 1971, pp. 416-7.
(Note: in expedition maps, this peak hitherto appeared as C 1.)
698. *Nevado de Aricoma* (Aricoma Sur, Condorhuachanán Central, C.M.A.), 5350 m., 17,553 ft. 1. Same information as for nr. 694, 1st ascent.
2. V. López, J. Pons, 8.8.1966. *AAJ* 1967, p. 397.
3. O. Hartmann, 8.17.1967. *AAJ* 1969, p. 436.
699. *Jiramane*, 5349 m., 17,550 ft. 1. O. Hartmann, 8.19.1967. *AAJ* 1969, p. 436.
700. *Nevado de Aricoma Norte* (Condorhuachanán Este), 5347 m., 17,545 ft. 1. Same information as for nr. 698, first ascent.
2. Same information as for nr. 698, 2nd ascent.
- 700a. *Yanaruna II*, 5300 m., 17,389 ft. 1. K. Fuchsberger, A. Kling, W. Reichhard, 7.27.1968. *AAJ* 1969, p. 442.
701. *unnamed* (San Andrearaju), 5230 m., 17,159 ft. 1. A. and V. López, J. Pons, 8.5.1966. *AAJ* 1967, p. 397.
702. *unnamed* (Pirineos), 5200 m., 17,060 ft. 1. V. López, J. Pons, 8.3.1966. *AAJ* 1967, p. 397.
703. *Caltana*, ca. 5395 m., 17,700 ft. 1. O. Hartmann, 7.24.1969. *AAJ* 1971, p. 416.

704. *unnamed* (Collado), 5170 m., 16,962 ft. 1. A. Jamaica, J. Pons, 7.30.1966. *AAJ* 1967, p. 397.
705. *unnamed* (Agujas del Peine), 5150 m., 16,897 ft. 1. Same information as for nr. 704, but 8.2.1966.
706. *unnamed* (Huaraz), 5150 m., 16,897 ft. 1. Same information as for nr. 705.
707. *unnamed* (Punta Brava), 5120 m., 16,798 ft. 1. Same information as for nr. 702.
708. *Chichoccapac*, ca. 16,800 ft. 1. E. Whewell and a porter, 7.1967. *AAJ* 1968, p. 200.
709. *Nevado Kallini* (C3, Ollachea Riti), 5232 m. 17,164 ft. 1. A. Chinn, S. Dudley, D. Massam, A. Parton, 6.19.1967. *AAJ* 1968, p. 201.
710. *Aricoma* (Pirámide de Aricoma), ca. 5200 m., 17,060 ft. 2 (?). O. Hartmann, 8.20.1967. (p.c.) (probably earlier ascents.)
711. *unnamed* (Anilcocha), ca. 17,000 ft. 1. O. Hartmann, 8.7.1967. (p.c.)
712. *Mirmayani* (Ayaraju, C 2), 5074 m., 16,645 ft. 1. Same information as for nr. 689, but 6.14.1967.
2. W. Goodfellow, R. MacKenzie, 6.16.1968. *AAJ* 1969, p. 201.
3. J. Dowd, G. Jackson, 6.1968. *AAJ* 1969, p. 202.
713. *Chúngara*, ca. 16,500 ft. 1. A. Bland, H. Donohoe, G. Ogilvie, 7.1967. *AAJ* 1968, p. 200 and p.c.
(Note: ". . . on the end of the east ridge running from Chichoccapac. . . .")
714. *Jatunhuasi*, ca. 16,500 ft. 1. Same information as for nr. 713, including note.
715. *Quehuhinaque*, ca. 16,500 ft. Same information as for nr. 713, including note.

General note: a number of lesser peaks were also climbed by different parties, but have been left unlisted, since were rather small points, according to the climbers themselves. The Keele University Expedition 1965 ascended ". . . nine smaller peaks . . . between August 15 and August 25 . . ." that stood ". . . out of the ice-sheet like nunataks"; see *AJ* 314, p. 125. These climbs, or several of them, seem to have been repeated by the New Zealand Alpine Club 1967 Expedition; see *AAJ* 1968, p. 201.

Cordillera de Apolobamba

According to studies made by Signor Mario Fantin and members of the Italian 1958 expedition, some important changes will have to be introduced on names and heights of the main peaks of this range. The peak hitherto known as Chaipi Orco should become Nevado de Salluyo and Chaipi Orco Norte, just Chaipi Orco. The height of the latter peak has been thought to be higher than that of the former,

currently held as the highest peak in the range with 6044 m. A tentative height of 6100 m. has been given now to the peak to become Chaipi Orco. However, until publication of this information (obtained through personal communication) by Signor Fantin, this survey will repeat heights and names used in *AAJ* 1962, pp. 185-6. Peaks located on the Bolivian border are also included.

- 716. *Chaipi Orco*, 6044 m., 19,830 ft. 3. H. Nakajima, S. Nakagawa, 7.20.1961. *S* 1961, pp. 21-55 and *AAJ* 1962, p. 254.
4. D. Hain, E. Hofmann, 6.8.1968. *AAJ* 1969, pp. 443-4.
5. B. and K. Schreckenbach, H. Saler, K. Süssmilch, W. Weinzierl, 8.21.1969. *AAJ* 1970, pp. 36-37.
(*Note*: the second ascent of this peak was made by R. Merendi, G. Sternà, C. Zamboni, 7.11.1958; see *RPA* 8, p. 120. This ascent had been left unlisted in *AAJ* 1962, p. 185.)
- 717. *Chaipi Orco Norte*, 6000 m., 19,685 ft. 2. T. Nakamura, K. Kurachi, 7.23.1961. *S* 1961, pp. 21-55 and *AAJ* 1962, p. 254.
3. K. Gross, H. Wolf, 6.8.1968. *AAJ* 1969, pp. 443-4.
4. Same information as for nr. 720, 5th ascent.
- 718. *Nevado de Salluyo*, 5808 m., 19,056 ft. 2. J. Amari, S. Nakagawa, H. Nakajima, 7.21.1961. *S* 1961, pp. 21-55 and *AAJ* 1962, p. 254.
- 719. *Palomani Grande*, 5679 m., 18,924 ft. 3. J. Amari and A. Martínez, 7.22.1961. *S* 1961, pp. 21-55 and *AAJ* 1962, p. 254.
- 720. *Chocnacota*, 5650 m., 18,537 ft. 2. A. Martínez and H. Nakajima, 7.20.1961. *S* 1961, pp. 21-55 and *AAJ* 1962, p. 254.
(*Note*: this peak seems to correspond to the "Nevado Club Alpino Italiano," of the Italian 1958 expedition).
- 721. *Puinapata*, 5600 m., 18,373 ft. 1. R. Centeno, N. Maruyama, 7.24.1961. *S* 1961, pp. 21-55 and *AAJ* 1962, p. 254.
- 722. *unnamed* (Nevado "K"), 5600 m., 18,373 ft. 1. K. Kurachi, N. Maruyama, 7.26.1961. *S* 1961, pp. 21-55 and *AAJ* 1962, p. 254.
- 723. *Los Tres Hombres*, 5500 m., 18,045 ft. 1. K. Kurachi, N. Maruyama, 7.26.1961. *S* 1961, pp. 21-55 and *AAJ* 1962, p. 254.
- 724. *Caccahuaycho*, 5450 m., 17,881 ft. 1. H. Nakajima, I. Yoshizawa, 7.27.1961. *S* 1961, pp. 21-55 and *AAJ* 1962, p. 254.
2. K. Gross, 6.18.1968. *AAJ* 1969, pp. 443-4.
- 725. *unnamed*, 5400 m., 17,717 ft. 1. E. Hoffmann, 6.18.1968. *AAJ* 1969, pp. 443-4.
(*Note*: in *RPA* 8, p. 50, this peak is listed as Iscaycruziti.)
- 726. *Ritipata*, 5272 m., 17,296 ft. 2. P. Centeno, S. Nakagawa, 7.17.1961. *S* 1961, pp. 21-55 and *AAJ* 1962, p. 254.
3. E. Hofmann, 6.17.1968. *AAJ* 1969, pp. 443-4.
- 727. *unnamed* (Nevado "N.K."), 5250 m., 17,225 ft. 1. K. Kurachi, S. Nakagawa, 8.3.1961. *S* 1961, pp. 21-55 and *AAJ* 1962, p. 254.
- 728. *Patichoquichambi*, 4996 m., 16,392 ft. 1. J. Ricker, 8.4.1969. *AAJ* 1970, p. 167.