

atmospheres of gas remaining was also not that of Mallory and Irvine (as reported in *Outside Magazine*) but the set abandoned by Peter Lloyd during his descent from 27,300 feet in the British expedition of 1938.

THOMAS HOLZEL

*Changtse.* Our members were Dr. Hansjürgen Tauscher, co-leader, Paul Braun, Thomas Dünsser, Martin Engler, Walter Ernst, Rudolf Frick, Andreas Heckmair, Jr., Ludwig Hösle, Peter Lechart, Udo Zehetleitner, Dr. Wilfried Zink and I, co-leader. We drove from Lhasa over increasingly bad roads to Base Camp at the terminal moraine of the Rongbuk Glacier at 16,750 feet. We continued on the historic route up the East Rongbuk Glacier toward Mount Everest and Changtse. Camps I and II were set up on October 2 and 4 at 18,375 and 20,000 feet, the latter at the foot of the long northeast ridge of Changtse. We had no porters but used six yaks and our own backs to there. We first had to climb a 2000-foot snow-and-ice slope with some rock. Camp III was at 21,000 feet sheltered by a rock spur. Above, we fixed some rope on a steep snow-and-ice slope on a wide ridge that led first north and then east. Camp IV was set up on the ridge at 22,650 feet on October 13. On October 14 Zehetleitner and on October 16 Braun, Frick, Hösle and Engler completed the first ascent of Changtse (7550 meters, 24,771 feet).

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*Shishapangma, 1981.* In *A.A.J.*, 1982 we mentioned the ascent of Reinhold Messner and Friedl Mutschlechner but we lacked details. The pair got to the summit on May 27, 1981 by a route which lies to the right of the normal route. An article with a sketch of the northern routes appears in *Alpin* of May 1982.

*Shishapangma.* Dr. Makoto Hara led another Nagoya High-Mountain Research Institute expedition, this time to Shishapangma. All members reached the summit by the normal route. One of the members, Masaaki Tomita, made an amazingly fast ascent from Advance Base at 18,700 feet to the 26,291-foot summit, which he reached on October 12, in only 50 hours. Three summit attempts in early October failed. Dr. Hara, Hiroo Komamiya and Hirofumi Konishi got to the summit on October 10. Takayoshi Chiba and Motomu Omiya also reached the top on October 12.

*Gang Ben Chen.* We left Lhasa on March 22 and established Base Camp at 15,250 feet on March 27 and Advance Base at 18,700 feet on April 4, both on the Boron Plain. Camp I was on the small glacier north of Gang Ben Chen at 20,450 feet. We placed Camp II at 22,000 feet on the snow face above the icefall. Camp III was pitched at 23,300 feet on April 20. On April 21 Riyuko Morimoto, Kozo Matsubayashi, Kazunari Ushida, Shiro Koshima, Takao Morito, Goro Hitomi, Kiyoshi Nakagawa and Hiroshi Kondo climbed to the