Europe's highest atmospheric sampling stations. Belonging to the Fraunhofer Institute, the Zugspitze station forms one of a trio of linked mountain laboratories near Garmisch Partenkirchen. Here physicists and chemists collect filtered air samples to study processes of atmospheric exchange, the influx of atomic fallout, and the admixture of pollution from lower levels. The electrical charging processes in thunderstorms form another topic of research and, unbeknown to idle tourists in the cable cars, sensors attached beneath them continuously record the electrical gradient as the *seilbahn* plys up and down through nearly 2000 m.

Alpine Club Notes

Meetings of the Alpine Club 1971

1971 (*continued*)

2 March	Two films shown by André Contamine: 'The Muztagh Tower—1956 French expedition' and 'Skiing on Mont Blanc—Ecole Nationale de Ski et d'Alpinisme'
16 March	'Kashmir 1970'—Frank Solari 'The Wind Rivers and Bugaboos, 1970'—Michael Westmacott
20 April	'Scottish Ice'—Bill March (see above, p 75)
30 April/8 May	Lake District Meet organised by Dr Charles Warren
11 May	'Annapurna Army Style'—Captain M. W. H. Day and Lt G. D. B. Keelan (see *A.J. 76* 89)
5 October	The annual accounts for 1970 'Climbing in the Media'—Peter Gillman
19 October	'Filming the Eiger'—Leo Dickinson (see above, p 139)
2 November	'How To Fail and Keep Happy'—'The Moose's Tooth' and 'Baffin Island'—Chris Bonington and Doug Scott
16 November	'The Playground of Europe, 1871–1971'—a paper read by Sir Arnold Lunn, with contributions from Mrs. Carleton (Janet Adam Smith) and Michael Ward (see above, p 1)
6 December	A.G.M. Slides shown by Major J. Fleming, Dr Noel Dilly, the Rev. F. L. Jenkins, F. Jackson, B. R. Goodfellow and Dr W. Kirstein
7 December	Annual Dinner
13 December	A joint meeting with the Royal Geographical Society, held at the R.G.S. 'The Exploration of Everest', by Sir Jack Longland, Eric Shipton, C.B.E., and others

Anniversary We offer our congratuations to Sir John Beaumont, who has now achieved seventy years' membership of the Club, having been elected in March 1902.

Office-Bearers and Committee 1972

President	A. D. M. Cox
Vice-Presidents	W. H. Murray, A. K. Rawlinson
Hon. Treasurer	The Hon. R. R. E. Chorley
Hon. Secretary	M. F. Baker
Committee	J. N. Allen, J. E. Ashburner, Lt-Cdr F. R. Brooke, Captain M. W. H. Day, J. M. Kretschmer, Sir Edward Peck, C. A. Russell, D. K. Scott, J. O. Talbot
Trustees	A. D. Malcolm, A. Blackshaw, C. G. Wickham
Hon. Editor	E. C. Pyatt, assisted by D. F. O. Dangar
Business Editor	R. G. Pettigrew
Guide-book Editor	C. H. Taylor
B.M.C. Representative	M. F. Baker
M.R.C. Representative	Sir Jack Longland
Auditors	F. W. Edwards, J. K. King, The Earl of Limerick
Mount Everest Foundation	The Earl of Limerick, A. Blackshaw, V. S. Risoe, A. D. M. Cox, R. A. Hodgkin, S. G. McH. Clark
Hon. Librarian	R. Lawford, assisted by the Rev. F. L. Jenkins, A. E. Gunther and C. A. Russell
Hon. Archivist	N. R. Rice

Obituary We regret to record the deaths of our members F. Spencer Chapman (1945), F. A. J. Deelen (1935), James Fisher (1962), J. A. Franco (1965), D. F. de V. Powers (1950), C. M. Sleeman (1922), E. E. T. Taylor (1965), Harold Williams (1953) and S. A. Wiren (1951). See also p 287.[1]

New members welcome The Alpine Club welcomes as members men over 21 who have Alpine experience and can show evidence of continuing interest in mountains and mountaineering. The technical qualifications for entry are, by modern standards, not very high. A rough-and-ready guide is that three seasons in the Alps and about twenty good Alpine peaks are required, but the Committee makes due allowance for exceptional routes and for experience elsewhere. Contributions to mountain art, literature and science may also count. The candidate must be proposed and seconded by two members.

Membership of the Alpine Club applies automatically to all members of the Alpine Climbing Group, for which the technical requirements for membership are much higher.

Application forms for the Alpine Club may be obtained from the Assistant Secretary, 74 South Audley Street, London W1Y5FF and for the A.C.G. from Mick Burke, 7 Surrendale Place, Maida Vale, London W8.

Guidance for contributors The Editor welcomes contributions, preferably illustrated, on climbs and expeditions and any aspect of mountains or mountain-

[1] Where no obituary notice is included, the notice will, wherever possible appear in the next *Journal*.

eering. Contributions must be typed, doubled spaced, on one side of the page. It is a great help to receive material as early as possible, but it should in any case arrive by mid-November, unless special arrangements have been made for late delivery.

Addresses Material for publication should be addressed to the Hon Editor: Edward C. Pyatt, 64 Percy Road, Hampton, Middlesex. Tel. 01-979 1450 (home). Advertising is dealt with by the Business Editor: R. G. Pettigrew, Education Office, The Castle, Winchester, Hants and sales matters by West Col Productions, 1 Meadow Close, Goring, Reading, Berks RG8 OAP. Review copies of books and journals should be sent to the Hon. Librarian at the Alpine Club.

Miscellanea and Editors' Notes

Everest—1921 H. R. C. Carr writes: Today it is difficult to realise how small the British climbing world was before 1914. Of those who began their Alpine climbing in the decade before 1914 (as Mallory did), many did not survive the war, and not a few who did had war injuries (like Winthrop Young). So that if in 1920 it was impossible to find men under forty with Himalayan experience adequate for an effective Everest reconnaissance, it was extremely difficult to find men in the twenty-five to thirty-five age-group with Alpine climbing experience of sufficient range and quality. It should not be forgotten that most young men were busy at that time picking up the threads of their working lives and competing for jobs in a labour market which quickly lost its early promise. Several of the men chosen for the 1921 expedition had independent means.

At that time I had the good fortune to be invited as a guest to several meetings of the Club in the pleasant old premises in Savile Row. In conversation with elderly members, the view was often expressed that mountaineering in Britain would soon become extinct. They may not have been serious, of course; certainly the kindness shown to youngsters like myself by the Old Guard was a factor in the rapidity of the recovery.

Everest—1921 T. S. Blakeney writes: Ref. *A.J. 76* 62 I am obliged to Mr T. A. Brocklebank for pointing out that my amendment to 'Naku La' is incorrect, and should be deleted. Naku La is correct, the Natu La lying considerably further to the east.

Road-building in the Alps The new autobahn over the Brenner Pass, we are informed, has forty-four bridges and viaducts with a total length of 6½ miles on the Austrian side. The scenery has become a back-cloth to a permanent civil engineering exhibition, for in this technological bonanza, the major bridges are of three different structural types and include the highest in Europe. That this ostentatious complexity is due to 'varying local conditions' seems