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The
UFO REGISTER

A BI-ANNUAL JOURNAL FOR RECORDING AND DISSEMINATING
FACTUAL INFORMATION RELATING TO THE UFO PHENOMENON

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C o n t e n t s

Editorial Comment.....pages 2-3.
1969: General Analysis.....pages 3-4.
UFO Calendar for 1969 (including bibliography)....Pages 5-11.
1969: General Analysis (Continued).....
 a) New UFO Types during 1969.....page 12.
 b) Temporal Distribution of UFO sightings.....page 12.
 c) Materializations and Dematerializations.....page 12.
 d) Motions and Speeds.....pages 12-13.
 e) Colours, Colour-Sequences, and Emissions....page 14.
 f) Simultaneous UFO Occurrences in 1969.....page 15.
 g) Disruptive Effects.....pages 15-16.
 h) Animal and Human Reactions.....page 16.
 i) Observer Statistics for 1969.....pages 16-17.
1970: General Analysis.....page 17.
UFO Calendar for 1970 (including bibliography)....pages 18-25.
1970: General Analysis (Continued).....
 a) UFO Categories in 1970.....pages 25-26.
 b) New UFO Types during 1970.....page 26.
 c) Temporal Distribution of UFO Sightings.....pages 26-27.
 d) Materializations and Dematerializations.....page 27.
 e) Motions and Speeds.....pages 27-28.
 f) Colours, Colour-Sequences, and Emissions....pages 28-30.
 g) Simultaneous UFO Occurrences in 1970.....pages 30-31.
 h) Disruptive Effects.....page 31.
 i) Animal and Human Reactions.....page 31.
 j) Observer Statistics for 1970.....pages 31-32.

With the printing of the present issue of the UFO REGISTER, this journal completes its first full year of publication, a year in which, judging from the volume of mail received during that period from all regions of the globe, interest in ufos was as active and widespread as ever. Data Research, therefore, wishes to take this opportunity of acknowledging the encouragement and valuable assistance afforded it during this first year by all those organizations and individuals who submitted or exchanged material pertaining to ufos. Correspondents deserving special mention included Gene Duplantier, René Fouéré, Henk Hinfelaar, Albert Onori, Kathleen Smith, Brinsley Le Poer Trench, and Ruth Verrill. Nor would credits be complete without reference to the presentation, by Barrie Sayers, of the late Harold T. Wilkins's magnificent collection of notes and press-cuttings of early ufo manifestations, or to the seemingly tireless field-investigators of Contact (UK). The usually unsung efforts of many of these enthusiasts often proved to be most important and of lasting significance.

While increased liaison of this kind between ufologists should undoubtedly be promoted everywhere, it is also distressing to learn that financial and other considerations during the past year dictated the winding-up of at least two of Britain's oldest and most esteemed local ufo study-groups --- the Tyneside UFO Society (see Spacelink magazine, vol.6, no:4, 1971, p.21) and the South Western Unidentified Aerial Phenomena Investigation Group, often abbreviated to SWAPIG or SWUAPIG (see UFO News, no:4, 1971, p.6). Data Research would like here to express its appreciation of the important contributions made to ufo research by both these societies in the past; and its hope that replacement organizations will be formed in the near future on Tyneside and in South West England to continue the excellent work of these two deceased study-groups. It is greatly to be hoped that Gerald Lovell, who produced SWAPIG's journal The Illuminer, will find the time and effort to report new West country ufo sightings in his new magazine Parasite.

Some other notable changes occurring during the past year concern the merging of, in the USA, Rick Hilberg's "UFO Magazine" with Allan Manak's Flying Saucer Digest, and, in Britain, of the UFO Chronicle with the Sirius Journal (see Spacelink magazine, vol.6, no:4, 1971, p.21) and of Syntonic magazine with Perception magazine (Syntonic magazine, no:12, 1971, p.16). Regrettably Flying Saucer Facts, edited by Fred Gething of Sheffield, also ceased publication, although on the credit side two new Contact branches --- who have already issued interesting newsletters of their own --- were established in Rhodesia and Zambia respectively, a new Spanish ufo magazine called Stendek commenced publication in June 1970, and Christopher Rose, the editor of the former Flying Saucers Are Fact, began publication of an interesting new magazine Stranger Than Science.

Spacelink's review of the magazine Stendek (see vol.6, no:4, 1971, pp.13-14) mentions the fact that this arresting title was taken from the still unexplained incident involving the mysterious disappearance of a Lancastrian Star Dust airliner as detailed in Antonio Ribera's "El Gran Enigma de los Platillos Volantes" (Editorial Pomaire, Barcelona, 1965). Further details of this perplexing episode were published as early as 1954 by Harold T. Wilkins in "Flying Saucers from the Moon" (Peter Owen, London), pp.136 et seq., where the word Stendek is spelt Stendec. Wilkins also drew attention to the repeated disappearance of aircraft over the Atlantic near Bermuda (op.cit., pp.137-8), and mentions the appearance of unknown aerial lights over Bermuda in 1913 (op.cit., p.139). Wilkins's observations were, in effect, the forerunners of those dealt with more ful-

ly by Ivan T. Sanderson in "Invisible Residents" (World Publishing Company, Cleveland, Ohio, 1970), and touched upon by John Keel in "Ocean-Based UFO's Ring the U.S.", Male (USA), 1970.

The revival of interest among ufologists in the maritime aspect of ufos is both timely and desirable, and possibly marks the beginning of a new phase, if it may be so termed, of ufological research. This new phase should probably be linked with other phenomena --- teleportations; celestial noises of invisible origins; poltergeist activity; unexplained falls of organisms, fluids, and artificial objects; gravitational warpings and similar effects --- only recognized as probably have some kind of connection with ufos proper by ufologists within comparatively recent times. Purists among these students, of course, have often dismissed these little understood phenomena as being irrelevant to the main ufo problem, or have condemned as too extreme the writings and conclusions of those who have sought to probe these subjects. Equally often the subjects themselves have been deemed completely unrespectable. The interest now being shown in these selfsame subjects by scientifically trained individuals, such as Sanderson, invests the phenomena with a new aura of respectability, and suggests that various speculations and ideas based by certain earlier ufologists on this very evidence now require careful re-examination. Some of these earlier theorists, such as Arthur Constance and Harold T. Wilkins, advanced hypotheses and recorded information about ufos which, in the light of more recently accumulated data, now appear to have been almost prophetic, or which are found to be astonishingly similar to concepts supposedly developed only within the past few years. Constance, for example, mentioned ufos which constantly changed shape ("The Inexplicable Sky", Werner Laurie, London, 1956, p.264), showing that this extraordinary ability on the part of ufos is not, as is often but erroneously believed, a recently developed characteristic. Again, Wilkins speculated upon the possibility of ufos originating from another order of matter ("Flying Saucers from the Moon", and "Flying Saucers Uncensored", Arco, London, 1956), more or less along the same lines more recently envisaged by Brinsley Le Poer Trench ("Operation Earth", Neville Spearman, London, 1969) and John Keel ("Operation Trojan Horse", G.P. Putnam's Sons, New York, 1970). These trends certainly suggest that certain hypotheses advanced by some of the pioneer writers about ufos may have actually been more consistent with the known evidence than hitherto generally recognized, and serve, moreover, to show how essential it is for students of the ufo enigma to be fully conversant with all earlier published statements on this subject.

The rejection or limited acceptance by most contemporary ufologists of these earlier writers' ideas and hypotheses was undoubtedly due to the fact that, at the time and for over a decade afterwards, people were generally unreceptive to the weirder aspects of the ufo puzzle, being, indeed, sceptical of even quite easily discernible facets of the enigma. Our present, more detailed, knowledge now indicates that at least some of the older theories were surprisingly accurate relative to the evidence as a whole, and serious ufologists can no longer avoid a re-examination of all the data. This must be undertaken with a completely open mind, even with regard to the most fantastic items featuring in ufo reports, for it is certain that what appears to us as unbelievable or fantastic is most probably normal or commonplace to the owners of the objects we call ufos.

The Editor.

1969: GENERAL ANALYSIS.

A preliminary appraisal of British ufo reports for 1969 appeared in the first issue of the UFO REGISTER (vol.i, pt.1, 1970, pp.5, 7) where reference was also made to the existence of various foreign

ufo reports for the same year. By detailing additional British reports received since the publication of that issue and by reviewing the foreign sightings just mentioned, the present survey completes the "picture" for 1969, insofar as this is currently possible. The previously published statistics for 1969, therefore, should be combined with those given here, even though the ensuing "combination" cannot itself be final since still further reports will probably come to light in due course and critical details -- presently absent from many accounts -- may yet be forthcoming in at least some instances and lead to the re-classification of the reports concerned.

Analysis of the reports now available for 1969 (inclusive of the series recorded in the first issue of the UFO REGISTER) suggests that, as they presently stand, they should be categorized as follows. The categories employed here, of course, are those defined previously by Data Research (see UFO REGISTER, vol.i, pt.2, p.4).

Category.	New Reports		Totals (UFO REGISTER, vol.i, pt. 1, 1970, p.7)	Previously published	Revised Total.
	English.	Foreign.			
A	47	65	112	26	138
B	21	39	60	12	72
C	32	30	62	17	79
D	43	69	112	21	133
E	1	-	1	1	2
F	4	1	5	2	7
G	7	1	8	2	10
H	-	3	3	3	6
J	-	1	1	-	1
K	-	-	-	-	-
L	-	-	-	-	-
M	8	4	12	1	13
N	-	1	1	-	1
P	-	2	2	1	3

Although the number of well or reasonably well documented cases featuring landings of ufos was lower in 1969 than in 1967 and 1968, there appears to have been a very definite increase in the number of occasions when two or more objects were observed simultaneously over the same localities. This increase, detailed more fully elsewhere in this issue, continued in 1970 and may mark a new development in the ufo programme -- whatever that may be. Landings, with or without entities (ufonauts), are indicated in the following catalogues by asterisks.

Sightings of particular interest included the very large bird-like object, seemingly metallic, observed hovering over Durham County on April 25th., and those which described the submergence or partial submergence of ufos at Lake Huaypo and Lake Titicaca (on unnoted dates in November), and in the Gulf of Santa Catarina (on an unnoted date in December). It is possibly significant that all these instances of submergence occurred in South America.

Of special interest were the extraordinary events that occurred near the water tower on Pic Saint-Loup, near Montpellier, Hérault, France, on and around February 9th, the associated zigzagging luminous scarlet balls seen there recalling the similar series seen over dry springs near Ibiuna, Brazil, during March and April (FSR., vol.16, no:1, p.15), when the objects were orange coloured, and the astonishing spectacle, involving 10 to 20 red globular lights, observed flying in all directions over hills near Fort Gibson Lake, Oklahoma, on July 18th (Ufolog, no:64, pp.4-5).

The chronological order of these foreign reports for 1969, relative to the British reports, is given in the following catalogue.

Dates.	Times.	Localities.	UFO Types.	References. (see p.11 for key to UFO Categories.)
JAN.				
1	11.20am.	Ross-on-Wye, Herefordshire, ENGLAND.	6b	A 54:3.
1	?	Linköping, Östergötlands, SWEDEN.	?48	C 43:15.
2	7.57am.	York, Yorkshire, ENGLAND.	11a	C 47:4.
3	pm.	Street, Somerset, ENGLAND.	13a	C 47:2.
5	9.00pm.	Pontejos, Santander, SPAIN.	* 4	A 32:27.
7	8.00pm.	Niigata and Osaka airports, JAPAN.	46a	C 61:6.
7	10.15pm.	Off the Aomori coast, Honshu, JAPAN.	46a	A 53:4-5.
11	c9.30am.	Leeds, Yorkshire, ENGLAND.	71	B 46:1-2.
14	11.45pm.	Elsthorpe, Hawkes Bay, North Island, NEW ZEALAND.	5a	A 12:32.
16	c4.30am.	Nr.Children, Queensland, AUSTRALIA.	* 2	A 11:iii.
17	pm.	Street, Somerset, ENGLAND.	13a	C 47:2.
c20	?	Between São Paulo and Patos, Minas Gerais, BRAZIL	?18a	C 17:40.
22	c9.40pm.	Nr.Alta, NORWAY.	17a	A 55:5-6.
23	2.30pm.	Nr.Carstairs, Alberta, CANADA.	1c	A 33:6.
25	10.58pm.	Crosby, Lancashire, ENGLAND.	46	C 46:2.
26	c9.30pm.	Limeira, near Campinas, São Paulo, BRAZIL	18a	A 17:39-40
27	9.15pm.	Stratford-on-Avon, Warwickshire, ENGLAND.	u	B 45:3.
30	2.30am.	Between Didsbury and Carstairs, Alberta, CANADA.	43	B 33:5.
30	9.30pm.	Crossfield, Alberta, CANADA	5a	A 33:5.
30	9.30pm.	North of Crossfield, Alberta, CANADA.	17a	C 33:5.
31	11.15pm.	Chale, Isle of Wight, ENGLAND.	46	C 45:2-3.
31	?	Lins, São Paulo, BRAZIL.	5a	C 17:39.
?	10.30pm.	Jales, NW. of Sao Paulo city, São Paulo, BRAZIL	*?1c	A 62; 17:39.
?	?	Nr.Palmerston North, North Island, NEW ZEALAND.	17a	A 42:17; 63:5.
FEB.				
1	11.45pm.	East Stoke, Hayling Island, Hampshire, ENGLAND.	46	C 50:2.
2	c4.30pm.	Unlocalized, Alberta, CANADA.	1c	C 33:5.
2	c9.20pm.	Cam Park, nr.Woodfield, Gloucestershire, ENGLAND.	4	A 47:2; 49:1-2.
2	11.08pm.	Between Isle of Wight and Swanage/Bournemouth coast, English Channel, ENGLAND.	6	A 45:1.
2	(night)	Nr.Chillan, Nuble, CHILE.	8a	A 43:17; 64

FEB.						
3	10.45pm.	Yarmouth, Isle of Wight, ENGLAND.	59	C	45:2.	
4 or 5	10.05pm.	Between Burley and Lyndhurst, Hampshire, ENGLAND.	74	A	57:3-4.	
6	10.08pm.	Wandsworth, London, ENGLAND.	46	C	46:2.	
c6	c7.30am.	Pirassununga, São Paulo, BRAZIL.	* 4	A	9; 17:40f.	
9	1.00am.	Nr. Montpelier, Hérault, FRANCE.	4 +46	A	15:13-4.	
11	c7.0pm.	Nr. Didsbury, Alberta, CANADA.	8a	B	33:6.	
11	7.15pm.	Hildenborough, Kent, ENGLAND.	u +46	A	13:2.	
15.	am.	Unlocalized, Alberta, CANADA.	17a	B	33:6.	
18	am.	Nr. Craigmile, Alberta, CANADA.	12	A	33:6.	
19	?	Belcruit and Bunawillan Donegal, EIRE.	11	A	20.	
c19	?	Nr. Kilkee, Co. Clare, EIRE.	* 46	B	20.	
22	10.15pm.	Over the Solent, off Cranmore, nr. Yarmouth, Isle of Wight, ENGLAND.	18a	B	46:1.	
c22	?pm.	Reenrour, Co. Cork, EIRE.	?20	C	38.	
25	?	Unlocalized, Chubut, ARGENTINA.	1a	B	28:22.	
28	9.00am.	Unlocalized, Alberta, CANADA.	?3a	B	33:5.	
28	(early pm.)	Unlocalized, Alberta, CANADA.	1a	C	33:6.	
MAR.						
4	10.00pm.	Bishops Stortford, Hertfordshire, ENGLAND.	23	A	49:4.	
6.	c8.30pm.	Dursley, Gloucestershire, ENGLAND.	11	A	47:3.	
6	(late pm.)	Cam Longdown, near Uley, Gloucestershire, ENGLAND.	u	A	47:3.	
7	c8.30pm.	Dursley, Gloucestershire, ENGLAND.	11	A	47:3.	
7	c8.30pm.	Watonga, Oklahoma, USA.	46	C	52:5.	
10	10.30pm.	Glenwood, Missouri, USA.	1c	B	50:4.	
12	6.30pm.	Artichoke River, Newburyport, Massachusetts, USA.	46	A	42:16.	
12	(late pm.)	Sydney, New South Wales, AUSTRALIA.	1c	C	50:5.	
13	12.15am.	Valence-sur-Baise, Gers, FRANCE.	41a	C	32:8-12.	
13	12.20am.	Jugon, etc., Côtes du Nord; Rennes, Ille-et-Vilaine, FRANCE; southern Guernsey, CHANNEL ISLES.	41a	C	32:8-12.	
14	c7.55pm.	Malataverne, Drôme, FRANCE.	75	A	14:32.	
17	8.30am.	Antwerp, Antwerp Prov., BELGIUM.	76	C	47:5.	
17	c8.00pm.	Aenekoski, nr. Pihtipudas, FINLAND.	1a +17a	A	42:15.	
18	c1.30am.	Hayling Island, Hampshire, ENGLAND.	13b	A	48:1-2.	
18	2.35am.	Saxilby, Lincolnshire, ENGLAND.	1c	A	48:3.	
19	10.00pm.	Nr. Arnold, Missouri, USA.	u	B	42:16.	
19	c11.15pm.	Arnold, Missouri, USA.	10	C	50:4.	
19	?	Malataverne, Drôme, FRANCE.	18a	C	14:32.	
20	1.55am.	Arnold, Missouri, USA.	10	C	50:4.	
20	?	Nr. St. Louis, Missouri, USA.	46	A	42:16.	
22	2.45pm.	Armadale, Western Australia, AUSTRALIA.	11	A	52:6.	
22	7.00pm.	Kelmscott, Western Australia, AUSTRALIA.	1a	A	52:6.	
22	c1.00am.	Sedalia, Missouri, USA.	8a	B	50:5.	
27	?	Unlocalized, SIAM (THAILAND).	18a	A	52:5.	
29	8.05pm.	Titchfield, Hampshire, ENGLAND.	46	B	50:2.	
APR.						
1	5.30pm.	Nr. Lindley, Orange Free State, REP. SOUTH AFRICA.	8a	A	35:12.	
1	?	Pietermaritzburg and Durban, Natal, REP. SOUTH AFRICA.	74	B	35:12.	
1	?	Nr. Lindley, Orange Free State, REP. SOUTH AFRICA.	18a	A	35:12.	

APR.						
3	10.38pm.	Nr. Lymington, Hampshire, ENGLAND.	22	A	1; 48:3.	
4	10.45pm.	Thurlaston, Leicestershire, ENGLAND.	* 41b	A	48:2.	
5	10.30pm.	Red Rice, Hampshire, ENGLAND.	46	B	48:1.	
9	c9.45am.	Norland, Yorkshire, ENGLAND.	4	A	21.	
711	c7.30pm.	Clyst St. Mary, Exeter, Devonshire, ENGLAND.	1a	A	0	
14	9.45pm.	Worplesdon, Surrey, ENGLAND.	6	A	48:2.	
16	10.30pm.	Thurmaston, Leicestershire, ENGLAND.	10	B	48:1.	
20	74.30am.	Norland, Yorkshire, ENGLAND.	9	B	52:4.	
20	?	5 miles E. of Hill City, Kansas, USA	u	A	49:6.	
21	8.20pm.	Cronulla, New South Wales, AUSTRALIA.	1a	A	53:6.	
22	8.30pm.	Ottawa, Ontario, CANADA.	* 4	A	42:16.	
25	10.00am.	Between Sherbourne and Durham, Co. Durham, ENGLAND.	63	C	51:3.	
26	4.30am.	Between Ibiuna and São Paulo, São Paulo, BRAZIL.	* 13a	A	15:17.	
26	10.50pm.	Woluwe Saint Pierre, Brussels, BELGIUM.	17a	A	42:15.	
27	3.00am.	Between Dinnington and Whiston, nr. Sheffield, Yorkshire, ENGLAND.	4	A	52:2.	
MAY						
3	4.23am.	Rio de Janeiro, Rio de Janeiro, BRAZIL.	4	A	43:17.	
5	6.30am.	Tarleton, Lancashire, ENGLAND.	17a	A	47:4.	
6	?	Le Champ du Feu, Bass-Rhin, FRANCE.	?5a	A	32:17-8	
7	?	Between Palermo and Weeks Mill, Maine, USA.	71	A	42:16.	
12	10.00pm.	Yately, Hampshire, ENGLAND.	3a	A	49:3.	
12	c10.00pm	Nr. Lake Zurich, Illinois, USA	4	C	51:5-6.	
12	c10.25pm	Palatine, Illinois, USA.	4	A	51:5-6.	
13	2.25am.	Yately, Hampshire, ENGLAND.	47	A	49:3.	
13	c3.40am.	Yately, Hampshire, ENGLAND.	47	A	49:3.	
13	4.20am.	Yately, Hampshire, ENGLAND.	8a	A	49:3-4.	
13	9.50pm.	Weert Saint George, BELGIUM.	10	A	42:15.	
13	10.45pm.	Schaerbeek, Brussels, BELGIUM.	46	B	42:15.	
13	11.30pm.	Etterbeek, Brussels, BELGIUM.	46	B	42:15.	
14	10.12pm.	Culverstone, Kent, ENGLAND.	47	C	46:3.	
14	(night)	Teyateyaneng, LESOTHO.	30 + u	B	37:15-9	
18	c1.0am.	Blackwater, Hampshire, ENGLAND.	8a	A	42:14.	
18	c4.15am.	Riverina Wagga, W. of Deniliquin, New South Wales, AUSTRALIA.	4	A	4-5; 53:6.	
21	(night)	Between Pelotas and Camaqua, Rio Grande do Sul, BRAZIL	46	B	32:26.	
23	c2.45am.	Between Esperance and Lake Grace, Western Australia, AUSTRALIA.	42	A	13:36, iii	
24	c11.08pm	Chippenham, Wiltshire, ENGLAND.	1a	A	13:19.	
24	?	Mooza, Cumberland, ENGLAND.	?1a	A	14:31; 65.	
27	2.45am.	W. of Caltowie, AUSTRALIA.	46	A	23; 58:5-6.	
27	c3.40am.	Nr. Caltowie, AUSTRALIA.	46	C	58:5-6.	
27	c10.00am	Durban, Natal, REP. SOUTH AFRICA.	11	B	35:15.	
31	(?night)	São Paulo, São Paulo, BRAZIL.	8a	A	43:17.	
?	(late pm.)	Unlocalized, Texas, USA.	4 + 43	B	54:6.	
?	?	Gwelo, RHODESIA.	22	C	13:iii.	

JUN.							
4	?	Anolaima, Bogotá, COLOMBIA.	4	B	40:15.		
5	10.50pm.	Enfield, Middlesex, ENGLAND.	u	B	49:4.		
6	(?late pm.)	Nr.Husnes, NORWAY.	1a	B	43:15.		
7	c12.0lam	Morecambe Bay, Lancashire, ENGLAND.	1a	C	16a:31.		
7	9.50pm.	Higham, Kent, ENGLAND.	46	B	42:14.		
10	10.30pm.	32 miles E.of Manila, Rizal, PHILIPPINES.	46	B	13:36.		
12	1.30am.	Warrington, Lancashire, ENGLAND.	46	C	42:14.		
12	2.45am.	Clifton, Bristol, Gloucestershire, ENGLAND.	46	C	{42:14; 50:3.		
12	1.30pm.	Bolton, Lancashire, ENGLAND.	4	C	13:35.		
13	(early am.)	Clifton, Bristol, Gloucestershire, ENGLAND.	46	C	50:3.		
15	11.40pm.	Birkenhead, Cheshire, ENGLAND.	1a	A	13:35.		
17	2.00am.	Ibiuna, São Paulo, BRAZIL.	73a	C	15:17-8		
18	c9.10pm.	Bordesley Green, Birmingham, Warwickshire, ENGLAND.	26a	C	13:28-9		
19	12.25am.	Nr.Docking and Bircham Newton, Norfolk, ENGLAND.	24a	A	4:12.		
20	4.30pm.	Bridport, Dorset, ENGLAND.	6	B	52:3.		
22	11.00pm.	Nr.Poynings, Sussex, ENGLAND.	11	B	13:35.		
26	2.30pm.	NW.of Ibiuna, São Paulo, BRAZIL.	* 73b	A	15:18-9		
28	11.07pm.	Watford Heath, Hertfordshire, ENGLAND.	46	B	51:4.		
29	10.50pm.	Bristol, Gloucestershire, ENGLAND.	1a	A	50:3.		
29	11.47pm.	Ansley Hall, Warwickshire, ENGLAND.	73b	A	{24; 25; 50:1-2.		
30	11.30pm.	Lake Haavisto, FINLAND.	77	C	51:4-5.		
?	c12.30am	SW.of Salt Lake City, Utah, USA.	* 77		{16a:21- 23.		
?	?	Between Antofagasta and Mejillones, Antofagasta, CHILE.	18a	A	43:15.		
?	?	Malagasi, nr.Isipingo, Natal, REP. SOUTH AFRICA.	4	B	13:iii.		
JUL.							
2	2.05pm.	Nr.Moscow, Michigan, USA.	76	B	42:16.		
2	c3.30pm.	W.of Chickasaw, Iowa, USA.	3b	A	54:5.		
4	(?night)	N.of Darlington, Yorkshire, ENGLAND	46	A	53:1-2.		
6	12.15am.	Nr.Halsøy, Bergen, NORWAY.	8a	A	55:5.		
6	1.15pm.	Nr.Bergen, Bergen, NORWAY.	62	A	55:5-6.		
6	8.45pm.	Unlocalized northern areas, TUNISIA	8a	A	43:15.		
7	9.50pm.	Between Usk and the Severn Bridge, Monmouthshire, WALES.	17a	A	52:2-3.		
7	9.55pm.	Parkstone, Dorset, ENGLAND.	?11	C	{2; 43: 14.		
8	c11.00pm	Aldingham, Lancashire, ENGLAND.	10	B	43:16.		
9	3.00am.	Danville, Pennsylvania, USA.	u	B	43:16.		
12	c4.05am.	Nr.Borth bog, Cardiganshire, WALES.	?43	B	51:3.		
13	2.30am.	Glastonbury, Somerset, ENGLAND.	8a	A	54:2.		
14	1.06am.	Matton, Michigan, USA.	47	A	43:16.		
15	c11.00pm	Sherston, Wiltshire, ENGLAND.	46	A	3; 52:4		
16	?	Irthlingborough, Northamptonshire, ENGLAND.	* 4	A	13:35.		
17	2.30am.	Glastonbury, Somerset, ENGLAND.	8a	B	54:2.		
17	11.30am.	Nr.Glasgow Airport, Renfrewshire,	1a	B	43:14.		
18	1.40am.	Frome, Somerset, ENGLAND.	11	A	52:3.		
18	c8.50pm.	Fort Gibson Lake, Oklahoma, USA.	46	A	54:4-5.		
18	10.30pm.	Nr.Talybont, Cardiganshire, WALES.	8a	A	51:3.		
19	12.15am.	Nr.Tillé airport, Oise, FRANCE.	17a	B	30:28.		
20	8.00pm.	Pendleton, Lancashire, ENGLAND.	1a	B	52:2.		

JUL.							
21	11.00pm.	Chevigny-Fenay, Côte d'Or, FRANCE.	8a	B	29:15-6.		
22	c10.30pm	Yarmouth, Isle of Wight, ENGLAND.	46	A	53:1.		
23	c9.30pm.	Topeka, Kansas, USA.	47	B	43:16.		
25	9.15pm.	Stone, Staffordshire, ENGLAND.	?8a	B	55:1-2.		
27	8.40am.	Elmstead, Essex, ENGLAND.	11	C	54:4.		
27	10.20am.	NW.Brussels, Brussels, BELGIUM.	73a	B	60:4.		
30	6.10pm.	c2 miles S.of the Needles, Isle of Wight, ENGLAND.	1a	C	14:31.		
?	c9.0pm.	Over the Solent, between Portsmouth and Southampton, Hampshire, ENGLAND	9	B	54:2.		
?	c10.0pm.	Heist-on-Sea, Flandre, BELGIUM.	12	B	5:12.		
AUG.							
15	am.	Stourbridge, Worcestershire, ENGLAND.	9	A	15:30.		
19	8.20pm.	Dee estuary, Cheshire, ENGLAND.	10	A	{22; 52: 4-5.		
20	c.8.15pm	Bolton, Lancashire, ENGLAND.	41a	A	{15:30; 53:2-3.		
20	c8.20pm.	Bolton, Lancashire, ENGLAND.	41a	B	15:30-1.		
20.	8.25pm.	Croal Valley, near Bolton, Lancashire, ENGLAND	41a	A	15:31.		
20	10.40pm.	Enfield, Middlesex, ENGLAND.	46	C	52:4.		
21	u	Villiers-en-Morvan, Morvan Mts., FRANCE.	18a	C	32:17-8.		
23	c12.25am	Leicester, Leicestershire, ENGLAND.	32a	A	40:11.		
SEP.							
4	c7.30pm.	Cook Strait, between North and South Islands, NEW ZEALAND.	46	A	15:23-4.		
6	c7.00pm.	SE.Reading, Berkshire, ENGLAND.	5a	A	0.		
8	10.20pm.	Cradle Hill, Warminster, Wiltshire, ENGLAND.	46	C	54:3.		
11	8.00pm.	Ruffec, Charente, FRANCE.	3a	B	31:12.		
11	10.30pm.	Santa Coloma de Queralt, and Villafogona de Riucorp, Barcelona, SPAIN	1c + 56a	A	31:26-8.		
12	pm.	Nr.Muldrow, Oklahoma, USA.	46	A	55:6.		
13	8.55pm.	Nr.Muldrow, Oklahoma, USA.	46	A	55:6.		
c23	5.30am.	Church Gresley, Derbyshire, ENGLAND	46	C	7; 53:3.		
24	8.10pm.	Zellik, Brussels, BELGIUM.	32d	A	44:12.		
c24	c12.00am	Church Gresley, Derbyshire, ENGLAND.	8a	C	8; 53:3.		
26	(early pm.)	Callela, SPAIN.	4	B	44:12.		
27	?	Glandore, South Australia, AUSTRALIA.	29	A	44:14.		
OCT.							
1	7.15pm.	Bude, Cornwall, ENGLAND.	u	A	54:3-4.		
1	9.00pm.	Totland Bay, Isle of Wight, ENGLAND	46	B	56:4-5.		
2	10.10pm.	Brixham harbour, Devonshire, ENGLAND	16	C	57:1.		
5	c1.00am.	Brandon, Manitoba, CANADA.	11	B	59:6.		
5	9.43pm.	Greenhithe, Kent, ENGLAND.	1a	A	15:30.		
5	9.55pm.	Over sea off Fort Glanville, South Australia, AUSTRALIA.	11	B	44:14.		
6	3.50am.	Turku, FINLAND.	9	A	58:5.		
6	8.00pm.	Ruffec, Charente, FRANCE.	1a	B	31:12.		
9	?	Makallé, Gran Chaco, ARGENTINA.	* 7	B	31a:27-3		
11	c1.45am.	Gaspé Peninsula, Quebec, CANADA.	?32c	C	59:4.		
11	2.00am.	Murdochville, Quebec, CANADA.	32c	A	59:4.		
11	7.25pm.	Staffin, Isle of Skye, Inverness-shire, SCOTLAND.	32a	A	19:27.		
11	c7.35pm.	Waternish, and Portree, Stornoway, and Babyle, Inverness-shire, SCOTLAND.	32a	A	19:27; C		

OCT.	18	8.55pm.	Martock, and Langport, Somerset, ENGLAND.	8a	A	19:27; 66
	23	?	Highcliffe, Hampshire, ENGLAND.	u	C	16:31.
	26	(early am.)	Drumoak, Aberdeenshire, SCOTLAND.	47	C	19:28.
	26	(early am.)	Nr.Risley, Lancashire, ENGLAND.	17a	C	19:26.
	28	c9.20pm.	Cobh, Co.Cork, EIRE.	28	B	19:24.
	28	10.15pm.	W.of Mobile, Alabama, USA.	* 8a	A	57:6.
	30	3.10am.	Waipukurau airport, North Island, NEW ZEALAND.	1a	A	15:32.
	31	3.30am.	Napier, North Island, NEW ZEALAND.	4	A	15:31-2.
	31	(night)	Bournemouth, Hampshire, ENGLAND.	8a	C	19:26.
	?	c12.00am	Over sea near Alum Bay, Isle of Wight, ENGLAND.	46	B	59:1.
	?	9.30pm.	Spalding, Lincolnshire, ENGLAND.	47	B	55:2-3.
NOV.	3	c4.30pm.	Nr.Windsor, South Australia, AUSTRALIA.	?* u	B	44:14.
	c3	(?day)	Nr.Napinke, Manitoba, CANADA.	8a	A	56:6.
	5	2.55pm.	Charlestown, Dorset, ENGLAND.	?50	C	18:15.
	6	c7.00am.	Pirassununga, São Paulo, BRAZIL.	* 8a	A	29:23-32
	9	c11.00pm	Chelmsford, Essex, ENGLAND.	46	C	15:31.
	10	(night)	Nr.Withernsea, Yorkshire, ENGLAND.	41a	C	15:31.
	c10	4.00am.	Sea off African coast between Cape Town and Walvis Bay, REP.SOUTH AFRICA.	45	C	{15:32, iii.
	20	7.30am.	Rayleigh, Essex, ENGLAND.	16	A	0.
	23	12.30am.	Nr.Kauri Mt., North Island, NEW ZEALAND.	11	A	16:32.
	25	?	Koekelberg, Brussels, BELGIUM.	11	C	44:12.
	26	(early am.)	East Ham, Essex, ENGLAND.	17a	A	16:18-22
	30	7.30pm.	13 miles SE.of Quincy, Illinois, USA.	41a	A	56:5-6.
	?	(early pm.)	Lake Huaypo, N.of Cuzco, PERU.	u	B	30:18-9.
	?*	(day)	Puno, W.shore of Lake Titicaca, PERU.	u	B	30:18.
DEC.	1	c9.40pm.	Between Maitland and Port Victoria, South Australia, AUSTRALIA.	46	C	11:iii.
	1	?	Bowen, Queensland, AUSTRALIA.	* 46	C	26:18.
	2	7.30pm.	Voortrekkerhoogte airbase, Pretoria Transvaal, REP.SOUTH AFRICA.	46	C	36:14.
	5	7.40am.	Leyton, London E.10, ENGLAND.	u	B	18:16.
	5	c8.05am.	Walthamstow, Essex, LONDON.	46	C	16:31.
	7	?	Windsor, South Australia, AUSTRALIA.	2	A	5:14; 44:14.
	26	9.00pm.	Montmere, Sedgefield, REP.SOUTH AFRICA.	1a	C	36:14.
	30	c17.50pm.	Wrawby, Lincolnshire, ENGLAND.	9	C	39:1.
	?	(night)	Gulf of Santa Catarina, nr.Itajaí, Santa Catarina, BRAZIL.	18a	A	30:18.
	Spring	(exact dates and times unnoted, but once at 2.00pm.)	"S.H." Farm, Clayton County, Iowa, USA.	* 8a	A	34:7-8.

* Performance repeated on several unnoted dates in November.

KEY TO REFERENCES.

References given in the foregoing list should be used as follows. The first figures refer to publications, and the second, separated from the first by colons, to the appropriate pages in the publications. Semicolons separate different references if more than one is given for a particular sighting. The letter 'O' signifies previously unpublished original reports. Many of the references cited, for example those in "Ufolog", also provide further information on primary sources not recorded here. References consulted by us were:-

1.	Angler's Mail: 1.5.69.	34.	Saucers, Space & Science Magazine, no:61, 1971.
2.	Bournemouth Evening Echo: 8.7.69.	35.	Skywatch Magazine, no:9, 1969.
3.	Bristol Evening Post: 16.7.69.	36.	Opus cit., no:12, 1970.
4.	BUFORA Magazine, vol.2, no:10, 1969/70.	37.	"", no:14, 1970.
5.	Cosmos Magazine, no:10, 1970.	38.	Southern Star: 22.2.69.
6.	Cresta News Advertiser: 10.3.69	39.	South Lincs UFO Study Group Newsletter, no:23, 1970.
7.	Derby Evening Telegraph: 26.9.69.	40.	Spacelink Magazine, vol.6, no:2, 1970.
8.	Derby Evening Telegraph: 1.10.69.	41.	Sydney Sun Herald:18.5.69.
9.	Diario da Noite: 7.2.69.	42.	UFO Chronicle, vol.1, no:3, 1969.
10.	Dundee Gazette: 29.4.69.	43.	Opus cit., vol.1,no:4, 69.
11.	Flying Saucer Review, vol.15, no:3, 1969.	44.	"", vol.1,no:6, 70.
12.	Opus cit., vol.15, no:4, 1969.	45.	Ufolog, issue no:55, 1969.
13.	"", vol.15, no:5, 1969.	46.	Opus cit., no:56, 1969.
14.	"", vol.15, no:6, 1969.	47.	"", no:57, 1969.
15.	"", vol.16, no:1, 1970.	48.	"", no:58, 1969.
16.	"", vol.16, no:2, 1970.	49.	"", no:59, 1969.
16a.	"", vol.16, no:5, 1970.	50.	"", no:60, 1969.
17.	Flying Saucer Review, Special Issue no:3, Sept., 1969.	51.	"", no:61, 1969.
18.	Flying Saucer Review - Case Histories, (Suppl.1), Oct.'70.	52.	"", no:62, 1969.
19.	Interplanetary News Magazine, vol.7, no:4, 1969.	53.	"", no:63, 1969.
20.	Irish Times (Dublin): 22.2.69.	54.	"", no:64, 1969.
21.	Halifax Courier: 5.5.69.	55.	"", no:65, 1969.
22.	Liverpool Daily Post & Echo: 20.8.69.	56.	"", no:68, 1970.
23.	Northern Review: 5.6.69.	57.	"", no:69, 1970.
24.	Nuneaton Evening Tribune: 30.6.69.	58.	"", no:70, 1970.
25.	Opus cit., 2.7.29.	59.	"", no:74, 1970.
26.	Panorama, vol.9, no:3, 1970.	60.	"", no:75, 1970.
27.	Perception, no:15, 1970.	61.	"", no:82, 1971.
28.	Phénomènes Spatiaux, no:20, '69.	62.	Ultima Hora: 28.1.69.
29.	Opus cit., no:21, 1969.	63.	Understanding Magazine, vol.14, no:5, 1970.
30.	"", no:23, 1970.	64.	Understanding Magazine, vol.14, no:7, 1970.
31.	"", no:24, 1970.	65.	West Cumberland Times: 31.5.69.
31a.	"", no:25, 1970.	66.	Western Gazette (Yeovil): 24.10.69.
32.	"", no:26, 1970.	67.	Western Mail: 18.7.69.
33.	Saucers, Space & Science Magazine, no:59, 1970.	68.	West London Observer: 22.8.69.

Our best thanks are again due to CONTACT (UK) and to numerous individuals for opportunities of examining and analysing the many unpublished ufo reports in their files. In due course we hope to publish full accounts of these sightings, and such drawings as accompany them.

NEW UFO TYPES DURING 1969.

New types of ufos reported during 1969, additional to those previously coded by Data Research (UFO REGISTER, vol.i, pt.2, pp.5-6), included the following forms.

- 6b. Rugbyball shaped, with small lateral fins.
- 11a. Oval: body bisected transversely by a bar-like structure.
- 24a. Inverted Mushroom-shaped.
- 46a. Tailed globular lights: may be identical to type 49.
- 56a. Bi-globular: of small size.
- 75. Urn-shaped.
- 76. Skate (fish) shaped: possibly a variant of type 22.
- 77. Slug-shaped: has vertical tail fins of small size.

TEMPORAL DISTRIBUTION.

The table below summarizes the distribution of ufos during 1969 over a normal 24-hour day, indicating that, as noticed for other years, more ufos are seen between 6 pm. and midnight than at any other period. It is to be regretted that not all reports, some of them otherwise of great interest, contain adequate details of the times of the sightings described.

Category.	Midnight	6 am.	Noon	6 pm.
	to 6 am.	to Noon	to 6 pm.	to Midnight.
A	24	9	7	58
B	8	6	4	32
C	6	7	4	25

MATERIALIZATIONS & DEMATERIALIZATIONS.

Ufo manifestations are undoubtedly connected with the now well-known phenomena of materialization and dematerialization, and several observations of these amazing feats, especially of the latter, were made during 1969. The following table summarizes them.

Category. Materializations. Dematerializations.

A	4	20
B	2	9
C	-	8

Once again, many ufos were observed to suddenly "flip over" or "reorient" themselves immediately before dematerializing, a performance produced by both moving and stationary ufos. A few dematerializations were reported as "slow fade-outs", although the majority were described as being very abrupt. All cases were noiseless.

MOTIONS AND SPEEDS.

Ufo speeds and motions recorded during 1969 varied enormously, as disclosed in the summary below. The speeds, of course, are those estimated by the original witnesses, and are classified here as in the first issue of the UFO REGISTER (vol.i, pt.i, p.11).

Sequences.

	Categories.		
	A.	B.	C.
Hovering or stationary.	14	16	10
Hovering and wobbly, then slow.	1	-	-
Hovering and spinning, then fast.	1	-	-
Hovering, then slow:(straight course).	6	2	2
Hovering, then slow:(curved or circular course).	1	-	-
Hovering, then slow, then erratic and spinning, then fast	1	-	-
Hovering, then slow, then hovering, then slow, then moderately fast and undulatory.	1	-	-
Hovering, then slow, then fast.	1	-	-
Hovering, then erratic.	1	-	-
Hovering, then erratic (several times alternately).	1	-	-
Hovering, then erratic, then hovering, then slow.	-	1	-

Sequences.

	A.	B.	C.
Hovering, then erratic, then hovering, then erratic, then hovering, then fast.	1	-	-
Hovering, then erratic, then fast.	1	-	-
Hovering, then jerky, then moderately fast.	-	1	-
Hovering, then jerky and undulatory.	1	-	-
Hovering, then moderately fast.	-	-	1
Hovering, then moderately fast, then fast.	-	-	1
Hovering, then fast:(straight course).	11	8	1
Hovering, then fast:(curved or circular course).	-	1	-
Hovering, then fast and spinning.	1	-	-
Hovering and undulatory, then fast.	-	1	-
Slow.	6	2	5
Slow, then hovering, then slow.	1	-	1
Slow, then hovering, then slow, then hovering, then slow.	-	1	-
Slow, then moderately fast.	1	-	-
Slow, then fast.	-	-	1
Moderately fast:(straight course).	9	4	6
Moderately fast:(curved or circular course).	1	-	1
Moderately fast (curved), then moderately fast (straight).	-	-	1
Moderately fast (straight), then moderately fast (curved).	-	-	1
Moderately fast and undulatory.	-	-	1
Moderately fast and undulatory, then fast.	1	-	-
Moderately fast and wobbly, then fast.	-	-	1
Moderately fast, then fast and wobbly.	-	-	1
Moderately fast and spinning.	-	1	-
Moderately fast, then fast and spinning.	1	-	-
Moderately fast, then fast:(straight course).	5	1	-
Moderately fast, then fast:(curved or circular course).	1	-	-
Moderately fast, then fast - spinning and fluttering.	1	-	-
Moderately fast, then hovering.	4	1	2
Moderately fast, then hovering with simultaneous yo-yo action.	1	-	-
Moderately fast, then hovering, then slow, then hovering, then slow.	1	-	-
Moderately fast, then hovering, then moderately fast.	1	-	-
Moderately fast, then hovering, then fast (straight).	2	-	-
Moderately fast, then hovering, then fast (curved).	-	-	1
Moderately fast, then zigzag.	-	-	1
Moderately fast, then erratic.	-	-	1
Fast:(straight course).	21	7	14
Fast:(curved or circular course).	-	-	1
Fast, with simultaneous slow tumbling motion.	1	-	-
Fast and spinning.	-	1	-
Fast and undulatory, then moderately fast and spinning.	1	-	-
Fast, then hovering, then fast.	2	-	-
Fast, then moderately fast, then fast.	-	1	-
Fast, then moderately fast.	1	-	-
Fast, then erratic.	-	1	-
Erratic, then fast.	3	2	2
Erratic, then hovering, then fast.	1	-	1
Erratic, then moderately fast, then fast.	-	1	-
Jerky ascending spiral motion.	1	-	-
Abrupt reversal of direction at fast speed.	2	-	1
Complicated rectilinear flight patterns, with spasmodic hoverings.	1	-	-

The fastest speeds observed were subsequently described as "jet-speed", "terrific", and "colossal", and the objects performing them as "racing" or "streaking" across the sky. Some slower moving ufos were described as "gliding along" or "falling" through the sky. The fastest speeds seem generally to be equated with white or green coloured objects. Slower or hovering ufos were often red or orange.

COLOURS, COLOUR-SEQUENCES & EMISSIONS.

Ufo colours reported during 1969 were as follows.

Category.	White	Yellow	Golden	Orange.	Orangy-red	Red	Pink	Blue	Purple	Brown	Green	Silver	Grey	Black	Metallic
A	13	7	2	10	-	11	1	5	1	1	2	7	2	1	2
B	14	1	-	2	-	7	-	3	-	-	-	8	1	-	1
C	6	1	1	3	1	8	-	-	-	-	-	4	1	-	-

Many of the above colours, and also the following colour combinations, were described as fiery, glowing or luminous, and were sometimes compared to neon or fluorescent lights. Flickering and pulsating effects were frequently reported, especially in connection with objects described as globular lights.

Sequences.	A	B	C	Sequences.	A	B	C
White/grey.	-	-	1	Orange/blue.	1	-	-
White/grey (repeated 4 times).	-	1	-	Red/orange.	1	-	-
Whitish-grey/yellow.	1	-	-	Red/pink/white.	1	-	-
White/green.	-	-	1	Red/white.	2	-	-
White/green/red/white.	1	-	-	Red/white/blue.	1	-	-
White/red.	1	1	-	Red/green/blue.	1	-	-
Whitish-orange/orangy-red.	-	-	1	Red/green.	-	1	-
Cream/red.	-	1	-	Red/blue.	-	1	1
Yellow/green.	1	-	-	Blue/silver.	1	-	-
Yellow/blue.	-	1	-	Blue/white.	1	1	-
Yellow/blue/green.	1	-	-	Blue/orange.	1	-	-
Yellow/red.	1	-	-	Blue/green.	-	-	1
Yellow/orange.	-	1	-	Blue/green/gold.	1	-	-
Gold/blue.	1	-	-	Greenish-white/red.	1	-	-
Orange/yellow.	1	-	-	Black/silver.	1	-	-
Orange/red/green.	-	-	1				

Several ufos were reported as having been encircled by variously coloured halos, effects which should not be confused with the lights frequently carried by these craft, or with the rays or beams sometimes emitted by them. Noiseless emissions in this latter category (including noiseless explosions) are summarized below.

Category.	Rays.	Trails.	Flashes.	Sparks.	Exhausts:		Noiseless Explosions
					Flames.	Smoke.	
A	5	4	4	1	8	4	2
B	5	4	3	1	1	2	-
C	3	-	1	1	-	3	-

Noises allegedly emitted by ufos during 1969 included the following. The total of noiseless ufos is added for comparison.

Category.	Cricket-like.	Throbbing.	Thumping.	Whooshing.	Hissing.	Buzzing.	Humming.	Whining.	Rattling.	Roaring.		Noiseless ufos.
B	-	1	-	-	1	-	-	1	1	-	B	11
C	-	-	1	-	-	1	-	-	-	-	C	13

One category A object was also reported to have made a "loud bang" (exact kind of noise unspecified), while an immense and brilliant aerial explosion, of 5 seconds duration, over Côtes du Nord, Ille-et-Vilaine, and Guernsey, on 13th March was an event of particular interest (see Phénomènes Spatiaux, no:26, pp.8-12).

SIMULTANEOUS UFO OCCURRENCES.

As noted previously, 1969 saw a general increase in the number of occasions on which more than one ufo was observed simultaneously. The dates, localities, and ufo types involved --- of which the most frequently sighted were types 8a and 46 --- are listed below.

Date.	Locality/ies.	Ufo type/s.	No:seen.	Category.
7.1.69.	Niigata and Osaka.	46a	20	C
7.1.69.	Aomori coast.	46a	7	A
25.1.69.	Crosby.	46	3	C
1.2.69.	East Stoke.	46	7	C
11.2.69.	Hildenborough.	46	2	A
12.3.69.	Artichoke River.	46	2	A
17.3.69.	Aenekoski.	1a and 17a	2	A
19.3.69.	Malataverne.	18a and 75	2	A
20.3.69.	Nr. St. Louis.	46	2 (?3)	A
22.3.69.	Armadale.	11	7	A
5.4.69.	Red Rice.	46	1, then 2	B
16.4.69.	Thurmaston.	10	2	B
6.5.69.	Le Champ du Feu.	?5a	3	A
14.5.69.	Teyateyateng.	30 (1 of) + 3 unscr'd	4	B
18.5.69.	Blackwater.	8a	2	A
27.5.69.	W. of Caltowie.	46	2	A
31.5.69.	São Paulo.	8a	2	A
? .5.59.	Texas (unlocalized).	4 and 43	2	B
5.6.69.	Enfield.	Undescribed	1, then 2	B
28.6.69.	Watford Heath.	46	4	B
4.7.69.	Nr. Darlington.	46	3	A
6.7.69.	Tunisia (unlocalized).	8a	2	A
15.7.69.	Sherston.	46	2	A
17.7.69.	Nr. Glasgow Airport.	1a	1, then 2	A
18.7.69.	Nr. Talybont.	8a	2	A
18.7.69.	Fort Gibson Lake.	46	10-20	A
21.7.69.	Chevigny-Fenay.	8a	2	B
22.7.69.	Yarmouth.	46	3	A
? .7.69.	The Salent.	9	1, then 2	B
20.8.69.	Enfield.	46	2	C
11.9.69.	Santa Coloma de Queralt.	1c and 56a	"many"	A
24.9.69.	Zellik.	32d	1, then 2	A
1.10.69.	Totland Bay.	46	3	B
5.10.69.	Brandon.	11	2	B
5.10.69.	Greenhithe.	1a	7-10	A
5.10.69.	Off Fort Glanville.	11	2	B
23.10.69.	Clacton-on-Sea.	46	4	B
? .10.69.	Nr. Alum Bay.	46	?2	B
20.11.69.	Rayleigh.	16	2	A
? .11.69.	Lake Huaypo.	"various"	"several"	B
? .11.69.	Puno, W. of Lake Titicaca.	"various"	"several"	B

The various objects observed over Pic Saint-Loup, on and around February 9th., should also be considered with the above cases.

DISRUPTIVE EFFECTS.

The following tables summarize the various disruptive effects on terrestrial installations and mechanical equipment attributed to ufos during 1969. As shown, authenticated instances were uncommon.

Transient Effects:

Category.	Engine Failure (vehicles)	Light Failure (buildings and vehicles)	Compass reorientation.	Interferences		
				TV.	Radio	Watches.
A	6	2	1	2	-	1
B	2	-	-	-	-	-
C	-	-	-	1	1	-

Permanent Effects:

Category.	Scorching.	Melting or Burning.	Damage to Buildings.	Vegetation damage.
A	1	-	1	3
B	-	1	-	-
C	1	-	-	-

Particularly interesting was the mysterious activation by a sphere-like (type 8a) ufo of the engines (both with disconnected batteries) of two parked cars at "Las Francas", near Chillan, on 2nd February. How this was achieved is still unsolved.

ANIMAL AND HUMAN REACTIONS.

As shown below, reactions of human witnesses suddenly confronted with ufos during 1969 varied considerably, the temporary immobilizations listed being, in all probability, aspects of fright rather than reactions to invisible force-fields.

Fright or Fear.	15.	Panic or Flight.	1.	Temporary Immobility.	2.
Amazement.	1.	Bewilderment.	1.		
	Excitement	1.	Curiosity.	1.	

Reported animal reactions during 1969 seem to have been confined to dogs and sheep, although other animal types were probably among those allegedly "excited" by the appearances of luminous scarlet-balls near Ibiuna, Brazil, on several nights in March and April (v.F.S.R., vol.16, no:1, p.15). The known cases are as follows.

	Fear or Panic.	Restlessness.	Excitement.
Dogs.	2	5	1
Sheep.	-	-	1

OBSERVER STATISTICS.

During 1969, as in other years, numerous reports were submitted in which the numbers of eyewitnesses present were expressed in very arbitrary terms, such as "many", "dozens", "hundreds", etc., or which failed altogether to indicate precisely the number of observers present. It is, therefore, possible only to estimate the total number of persons who saw ufos during 1969; this is put at approximately 500. The following table, based on all available data, details the ages and sexes of the eyewitnesses involved. Races are undifferentiated.

Ages (in years).	Males		Females		Sex Unrecorded	
	P*	S*	P*	S*	P*	S*
0 - 15	6	5	3	4	-	-
16 - 30	9	2	3	-	-	-
31 - 45	3	-	3	1	-	-
46 - 60	1	-	-	-	1	-
61 - 75	2	-	-	-	-	-
over 75	-	-	1	-	-	-
Age unspecified.	138	45+	51	57	41+	126+

* P = primary witness; S = secondary witness.

Although it has not been possible to establish the occupations of all ufo witnesses, the information presently available - shown below - indicates that a thoroughly representative cross-section of the community saw ufos during 1969.

Government Employees.	2	Craftsmen.	1.	Doctors.	1
Military Personnel.	4	Artists.	2	Nurses.	3
Policemen.	14	Photographers.	2	Judges/Lawyers.	1
Securitymen.	3	Haidressers.	1	University staff.	1
Coastguards.	4	Shopkeepers.	2	Teachers.	3
Meteorologists.	3	Publicans.	1	Students.	7
Astronomers.	3	Labourers.	2	Schoolchildren.	14+
Merchant Seamen.	7+	Gardeners.	1	Housewives.	41+
Firemen.	3	Clergymen.	1	Deliverymen.	3

Civil Airport Staff and Airline Pilots.	7	Factory and Plant workers.	8	Lorrydrivers.	6
Engineers.	5	Quarriers and brickpit-men.	2	Farmers and farm workers.	7
Mechanics.	3	Retired persons.	2	Other professionals.	2
Technicians.	1			(? occupations)	

Even a rapid glance at these figures shows that the largest observer groups (policemen, schoolchildren, and housewives) consist of persons who normally spend a high percentage of their time out of doors, being, therefore, well placed to view such ufos as appear. The largest of the remaining groups also tend to be associated with out-door activities not infrequently necessitating special (even constant) awareness of meteorological conditions. The wide range of occupations represented also confirms that all sections of the community see and report ufos, and that they are not primarily phenomena peculiar to individuals susceptible to hallucinatory or other psychological disturbances.

Finally, optical aids used by eyewitness during 1969, additional to those listed in the first issue of the UFO REGISTER (vol.i, pt.1, p.14), were as follows.

Category.	Binoculars.	Telescopes.	Radarscopes.
A	6	3	1
B	8	4	-
C	3	1	-

Although not large, these figures show that a total of 43 objects (the 26 listed above, plus 17 recorded in the first issue of the UFO REGISTER) were considered by observers to be sufficiently interesting or abnormal as to merit the use of magnifying aids. This, in itself, is a point of considerable significance.

1970: GENERAL ANALYSIS.

In general 1970 was not a particularly outstanding year for ufo activity, although many more observations and reports were made than was commonly believed at the time --- as the subsequent catalogue amply demonstrates. Certainly, the various published statements (sometimes in the ufo literature itself) to the effect that people no longer saw ufos and that ufology was defunct, were simply not true.

Despite being a rather uneventful year, 1970 produced at least two highly important ufo manifestations. These were at Cowichan Hospital on January 1st., and at Imjärvi on January 7th. Also of more than passing interest were the series of observations made in the Alsace (Haut-Rhin) region of France during the second half of April, and the tendency for ufos to appear over many separate localities, often widely sundered, on the same day. Dates on which this pattern seems to have occurred include Jan.7th., Feb.3rd., Mar.9th., May 18th., Jul.26th., Oct.5th., and Oct.29th.

As in 1969, authenticated landings or encounters with ufonauts were not numerous, whereas simultaneous appearances of more than one ufo at specific localities increased appreciably. Nonetheless, the amazingly diminutive ufonauts allegedly seen at close quarters on August 20th at Bukit Mertajam, Malaya, are of particular interest.

Worthy of special study were the intelligently controlled beams of non-dispersive light observed some 12 miles E.of Duval, Saskatchewan, and near Barnet, Hertfordshire, on March 23rd and on an unnoted date in July respectively. Both these incidents recall another (as yet unpublished but which will be described in the next issue of the UFO REGISTER) which occurred in 1968, and all may be an aspect of ufology which, although previously recorded many years ago by Charles Fort, has been exceptionally rare during recent decades. The purpose of light-beams of this type, emanating from invisible sources, is unknown.

Dates.	Times.	Localities.	UFO Types.	UFO Categories.	References. (see pp. 24-25 for key to numbers)
JAN.					
1	12.03am.	Walthamstow, Essex, ENGLAND.	1a	A	44:12.
1	5.0pm.	Cowichan Hospital, Cowichan, Victoria, British Columbia, CANADA.	* 4	A	{17:22-3; 33:20-1; 54:4-5.
1	7.0pm.	Mill Bay, Duncan, British Columbia, CANADA.	u	C	{17:23; 54:5.
2	8.20am.	Much Birch, Herefordshire, ENGLAND.	8a	B	44:16.
2	2.35pm.	Leytonstone, London, ENGLAND.	11+32b	A	0
6	8.53am.	Watford, Hertfordshire, ENGLAND.	17a	A	44:13.
6	8.30pm.	Maple Bay and Crofton, British Columbia, CANADA.	u	C	39:13.
6	?pm.	Straight of Georgia, Duncan, British Columbia, CANADA.	45	B	39:13.
7	1.30pm.	Hakodate Harbour, Hokkaido, JAPAN.	u	C	45:19.
7	4.45pm.	Imjärvi, Paaso, and Paistjärvi, Mikkeli, FINLAND.	* 4	A	{17:23-4; 18:31-2; 19:14-8; 20:22.
7	?pm.	Duncan, British Columbia, CANADA.	10	A	39:13.
22	8.0am.	Cheriton, Folkestone, Kent, ENGLAND.	47	B	23.
26	11.20pm.	Southampton Water, Hampshire, ENGLAND.	45	B	17:22.
27	am.	Abergavenny, Monmouthshire, WALES.	8a	B	0
27	4.28pm.	North of Tucson, Arizona, USA.	1a	A	57:2-3.
30	9.30pm.	Nr.Mrewa, RHODESIA.	1a	B	{8:15; 19:iii; 40:15.
FEB.					
3	12.0am.	Chatham, Ontario, CANADA.	4	A	39:14.
3	12.10am.	South Woodford, Essex, ENGLAND.	8a	B	0
3	6.25am.	Harbourne, Warwickshire, ENGLAND.	8a	B	{22:14; 44:13.
3	4.15pm.	Buxton, Derbyshire, ENGLAND.	46	C	55:3.
3	7.0pm.	Leamington Spa, Warwickshire, ENGLAND.	47	B	44:13-4.
3	7.0pm.	Whitnash, Warwickshire, ENGLAND.	14a	B	44:14.
3	7.30pm.	Durban, Natal, REP.SOUTH AFRICA.	8a	C	41:10-1
3	8.41pm.	Woodford, Essex, ENGLAND.	11	C	64.
3	9.0pm.	Balsall Heath, Warwickshire, ENGLAND.	47	B	22:14.
4	3.0pm.	The Bluff, Durban, Natal, REP. SOUTH AFRICA.	u	B	40:13.
10	8.30pm.	Coyote Point, San Mateo, California, USA.	?4	A	39a:17.

Dates.	Times.	Localities.	UFO Types.	UFO Categories.	References.
FEB.					
6	7.45am.	Ive Farm, Leyton, London, ENGLAND.	u	B	0
6	7.45am.	Wanstead, London E.11, ENGLAND.	9	C	0
6	8.25pm.	Sacramento, California, USA.	u	A	57:3.
9	5.30pm.	Stechford, Warwickshire, ENGLAND.	64	C	54:3.
10	10.30pm.	Sandgate, Kent, ENGLAND.	11	A	0
11	7.45am.	Abbey Wood, Kent, ENGLAND.	47	C	44:14.
11	3.0am.	Foreness Point, Kent, ENGLAND.	10	A	0
11	9.30pm.	Canning Town ("Tate and Lyle" factory), London, ENGLAND.	17a	B	{7:10; 17:22; 46.
13	9.30pm.	Paulsgrove, Portsmouth, Hampshire, ENGLAND.	46	B	44:14-5.
14	11.50pm.	La Salinas, Bahia Blanca, ARGENTINA.	13a	B	{19:32 & iii; 25a
20	8.0pm.	Billericay, Essex, ENGLAND.	47	C	44:14.
25	6.45am.	Higham Park, London E.4, ENGLAND.	2	B	63.
28	?	Nr.Culbertson, Nebraska, and near Colorado Springs, Colorado, USA.	4	C	39a:17.
?	pm.	Peakgate Road area, Chester, Cheshire, ENGLAND.	4	C	53:5.
MAR.					
1	10.35pm.	Porto Alegre, Rio Grande do Sul, BRAZIL.	46	B	34:17-9.
3	7.22am.	Alexandra Palace, London, ENGLAND.	17a	B	53:2.
5	10.20pm	Chichester, Hampshire, ENGLAND.	u	C	62:1-2.
9	7.45pm.	Exmouth, Devonshire, ENGLAND.	10(=8?)	B	16.
9	7.45pm.	Exmouth and Star Cross, Devonshire, ENGLAND.	8a	C	14.
9	7.50pm.	Exeter, Devonshire, ENGLAND.	8a	C	14.
9	7.50pm.	Shefford, Bedfordshire, ENGLAND.	16	C	0
9	7.50pm.	Nr.Leicester, Leicestershire, ENGLAND.	47	C	53:3-4.
9	9.15pm.	Honiton, Devonshire, ENGLAND.	46	C	14.
9	11.15pm.	Cork, Co.Cork, EIRE.	1a	A	44:15.
10	10.30pm.	Berchem Sainte Agathe, BELGIUM.	32a	A	57:3.
10	?	Launceston, Cornwall, TASMANIA.	11	C	31:18.
11	11.30pm.	Shallow Bay, Ontario, CANADA.	27a	A	39:14.
12	3.15am.	Leicester, Leicestershire, ENGLAND.	8a	B	53:3-4.
13	11.05pm.	Horsell, Woking, Surrey, ENGLAND.	46	B	54:2-3.
13	?	Geelong, Victoria, AUSTRALIA.	46	C	31:18.
15	7.05pm.	Durban, Natal, REP.SOUTH AFRICA.	1a	A	41:10.
18	7.0pm.	Salisbury and Belvedere, RHODESIA.	u	B	20:31.
19	?	Salisbury, Belvedere, and West Belvedere, RHODESIA.	u	B	41:11.
21	10.0pm.	Scranton, Pennsylvania, USA.	u	C	39a:17.
22	8.00pm.	Loughton, Essex, ENGLAND.	u	C	0
23	9.0pm.	12 miles E.of Duval, Sascatchewan, CANADA.	65	B	39: 14.
24	?	Nr.Balltown, Iowa, USA.	* 4	B	39a:17.
26	7.25pm.	Annan, Ontario, CANADA.	4	C	39:14.
26	?	Amarillo, Texas, USA.	u	C	39a:17.
27	7.50pm.	Chandlersford, Hampshire, ENGLAND.	19+8a	A	55:1-2.
28	11.02pm.	Starr Hill, Warminster, Wiltshire, ENGLAND.	11	B	{18:4-7; 20:7-8.
28	9.05pm.	Cabo Frio, Rio de Janeiro, BRAZIL.	46	B	58:4.
APR.					
1 or 2	9.0pm.	Enstone, Oxfordshire, ENGLAND.	11	A	0
9	?	Nr.Squamish, Brackendale, British Columbia, CANADA.	u	B	39: 14.
13	?	Mar del Plata, Buenos Aires, ARGENTINA.	4	C	38: 19.

APR.						
14	2.30am.	Campbell River, British Columbia, CANADA.	47	C	39:14.	
17	?	Mar del Plata, Buenos Aires, ARGENTINA.	2	B	0	
18	8.30pm.	Folkestone, Kent, ENGLAND.	?5a	B	0	
18	10.20pm.	Mildura, Victoria, AUSTRALIA.	4	C	39a:17.	
19	c12.10am	Squamish, British Columbia, CANADA.	u	B	39: 15.	
20	9.0pm.	Nr.Mulhouse, Haut-Rhin, FRANCE.	3a	C	33:30.	
20	9.52pm.	Sheffield, Yorkshire, ENGLAND.	8a	A	0	
20	10.30pm.	Wittelsheim, Haut-Rhin, FRANCE.	11	A	33:31.	
20	pm.	Mulhouse, Haut-Rhin, FRANCE.	22	B	33:31-2.	
22	?	Nr.Blytheville, Arkansas, USA.	4	B	39a:17.	
24	10.30pm.	Nr.Mulhouse, Haut-Rhin, FRANCE.	1a	A	33:30-1.	
26	8.30pm.	Mulhouse, Wittelsheim, Ensisheim, and Guebwiller, Haut-Rhin, FRANCE.}	46	C	33:30-1.	
MAY						
3	c11.30pm	Hall Green, Warwickshire, ENGLAND.	8a	B	8:4.	
7	c2.03pm.	Maraenui, nr.Napier, North Island, NEW ZEALAND.	17a	A	58:3.	
16	1.0am.	Baden-Baden, Baden-Württemberg, GERMANY.	1a + 17a+45	A	35:30.	
17	2.0am.	Tufnell Park, London N.7, ENGLAND.	44a	A	0	
17	?	15 miles S.of Salem, Oregon, USA.	10	C	0	
18	1.30am.	Bishop Monkton, nr.Ripon, Yorkshire, ENGLAND.	?5b	A	0	
18	1.30am.	Nr.Château d'Arceau, Côte-d'Or, FRANCE.}	18a	A	26.	
18	c8.30pm.	Nr.Tewkesbury, Quebec, CANADA.	66	C	39:15.	
18	10.40pm.	Shelbourne, Ontario, CANADA.	4	A	39:15.	
18	11.00pm.	Nr.Tewkesbury, Quebec, CANADA.	u	C	39:15.	
18	11.30pm.	Stoneham, Quebec, CANADA.	1a or 8a	B	39:15.	
19	3.00am.	Stoneham, Quebec, CANADA.	8a	A	39:15.	
c19	?	Montignac-sur-Vézère, Dordogne, FRANCE.	4	C	27.	
21	?	Folkestone, Kent, ENGLAND.	43		0	
22	10.30pm.	Nr.Corinda, New South Wales, AUSTRALIA.}	46	C	31:20.	
26	?	Tampa, Florida, USA.	u	C	39a:17.	
28	(night)	Scarborough and Scarborough Bluffs, Ontario, CANADA.	u	A	39:15.	
28	?	Adelaide, South Australia, AUSTRALIA.}	46	C	31:18.	
29	10.30pm.	Little Lake Park and Wyebridge, nr.Midland, Ontario, CANADA.	26	B	39:15.	
30	(night)	S.E.of Turriff, Aberdeenshire, SCOTLAND.	11	B	1	
?	pm.	Carl Nygren Farm, Gwynne, Alberta, CANADA.	46		39:15.	
?	9.00pm.	Durban, Natal, REP.SOUTH AFRICA.	u	C	10.	
?	c9.00pm.	Nr Greyville and The Bluff, Durban Natal, REP.SOUTH AFRICA.	46	C	42:18a.	
JUN.						
2	10.0pm.	Nr.Little Lake Park, Midland, Ontario, CANADA.	46	B	39:15.	
3	11.0pm.	Wadena, Saskatchewan, CANADA.	8a	B	39:15.	
5	c12.0am.	Clydach, Glamorganshire; Cwmbran, Monmouthshire; Aberystwyth, Cardiganshire; Wexford, EIRE; Skerries, Co.Dublin, EIRE.	11	B	57:1-2.	
14	1.35am.	Shepstone, Natal, REP.SOUTH AFRICA.	4	A	0	

JUN.						
14	9.20pm.	New Plymouth, North Island, NEW ZEALAND.	8a	A	0	
16	4.00am.	Hampstead, London NW 3, ENGLAND.	46	B	22:2-4.	
18	4.00pm.	Cromarty, Ross & Cromarty, SCOTLAND.	11	B	0	
?	5.05pm.	Bulawayo, RHODESIA.	8a	C	4:1-2.	
JUL.						
1	1.30pm.	Danvers, Illinois, USA.	46	B	58:3-4.	
1	c10.05pm	Nr.Rea's Bridge, NE.of Decatur, Illinois, USA.	67	A	56:5.	
2	9.58pm.	Cirencester, Gloucestershire, ENGLAND.	17a	C	56:1-2.	
3	11.35pm.	Victoria, British Columbia, CANADA.	46	C	38:19.	
4	c12.10am	Folkestone, Kent, ENGLAND	68	A	{22:5-6; 32:10; 45.	
9	5.0pm.	Pearston Walsingham, Cape Province, REP.SOUTH AFRICA.	6	C	42:18a-b	
12	?	W.of Chicoutimi, Quebec, CANADA.	30	C	39:16.	
13	8.05pm.	Tamworth, New South Wales, AUSTRALIA.	18a	B	57:5.	
15	10.45pm.	Lobo, Quebec, CANADA.	42	B	39:16.	
17	10.45pm.	Folkestone, Kent, ENGLAND.	1a	C	0	
19	2.30pm.	Umkomas, Natal, REP.SOUTH AFRICA.	10	C	42:18a.	
19	?	Durban, Natal, REP.SOUTH AFRICA.	10	C	32:10.	
21	5.25am.	Otto's Bluff, Natal, REP.SOUTH AFRICA.	11	B	{28; 42; 18b.	
21	11.00pm.	Rotherham, Yorkshire, ENGLAND.	47	B	0	
22	(night)	Villa Andalucia, PUERTO RICO.	4	B	20:31.	
23	11.06am.	Penanporth, Cornwall, ENGLAND.	16	B	0	
24	pm.	Dunkettle, Glanmore, Co.Cork, EIRE.	11	B	56:2.	
25	c9.00pm.	10 miles S.of Sedalia, Missouri, USA.	8a	B	57:5.	
26	c1.00am.	Same locality.	46	B	57:5.	
26	10.35pm.	Centre Island, Toronto Harbour, Ontario, CANADA.	43	A	39a:6.	
26	11.40pm.	Luton, Bedfordshire, ENGLAND.	46	A	56:2.	
28	10.05pm.	Exeter, Devonshire, ENGLAND.	u	C	15.	
28	c10.15pm	Between Bletchley and Eversholt, Bedfordshire, ENGLAND.	46	C	56:2-3.	
29	c9.32pm.	Between Orlando and Apopka, Florida, USA.	11	A	58:2-3.	
30	c9.10pm.	Decatur, Illinois, USA.	69	B	57:5.	
?	(night)	Barnet, Hertfordshire, ENGLAND.	65	C	0	
AUG.						
3	9.30pm.	Trois Rivieres, Quebec, CANADA.	49	C	39:16.	
4	c8.50pm.	Ville St.Leonard, Quebec, CANADA.	46	C	39:16.	
4	8.57pm.	Cendiac, Quebec, CANADA.	46	C	39:16.	
5	11.00pm.	Bensfort Bridge, nr.Bailieborough, Ontario, CANADA.	46	B	39:16.	
11	8.45pm.	Pinetown and New Germany, Natal, REP.SOUTH AFRICA.	u	C	42:17.	
12	1.30am.	Oldham, Lancashire, ENGLAND.	8c	C	0	
12	c10.50pm	Nr.Rainham, Essex, ENGLAND.	17a	B	56:3.	
13	c9.00pm.	Chingford, Essex, ENGLAND.	17a	C	61:4.	
13	10.50pm.	c10kms.N.of Haderslev, Haderslev Amt, DENMARK.	11	A	{22:7-8; 35:15-9.	
16 or 17	4.45pm.	{Puits-d'Edme, Joux-la-Ville commune nr.d'Avallon, Yonne, FRANCE.	70	A	35:19-22	
20	c6.30pm.	Bukit Mertajam, Penang Island, Penang, MALAYA.	* 4	A	{20:29 30.	

AUG.								
c20	9.20pm.	Stavalia, nr.Kristiansand, NORWAY.	25	A	0			
c24	9.00pm.	Tronstad Hill, nr.Kristiansand, NORWAY.	25	A	0			
28	9.40pm.	Folkestone, Kent, ENGLAND.	?6	C	0			
28	11.00pm.	White Horse Hill, Hawkinge, Kent, ENGLAND.	u	C	0			
29	?	Islington, London, ENGLAND.	46	B	61:5.			
30	9.30pm.	Nr.Funil Dam, Itatiaia, Rio de Janeiro, BRAZIL	u	C	19:23-4; 35:23.			
31	10.15pm.	Banff, Alberta, CANADA.	?8a	B	39:16.			
31	(night)	Champaign, Illinois, USA.	46	C	58:5.			
SEP.								
2	c7.45pm.	La Souterraine, Creuse, FRANCE.	32b	B	22:10-1.			
3	c3.57am.	Nr.La Souterraine, Creuse, FRANCE.	8a	B	22:9-12.			
4	(night)	Dennison's Farm, Hamilton, Illinois USA.	1a	B	58:3-4.			
5	c9.0pm.	Bushnell, Illinois, USA.	46	B	58:5-6.			
8	1.35am.	Kettering, Northamptonshire, ENGLAND.	6	B	0			
9	6.20pm.	Trenton, Ontario, CANADA.	46	C	39:16.			
11	7.45pm.	Folkestone, Kent, ENGLAND.	41a	B	0			
12	11.00pm.	Boscombe, Hampshire, ENGLAND.	17a	A	0			
15	8.00pm.	Between Cathcart and Stutterheim, Orange Free State, REP.SOUTH AFRICA	49	B	11.			
15	10.30pm.	London, ENGLAND.	10	C	57:2.			
17	6.30pm.	Bulawayo, RHODESIA; Pretoria, Transvaal, REP.SOUTH AFRICA.	14b	A	4:2; 28.			
20	1.15am.	Waiwera, South Island, NEW ZEALAND.	u	B	21:32.			
22	9.05pm.	Goring-on-Sea, Sussex, ENGLAND.	27b	B	0			
25	8.20pm.	Banff, Alberta, CANADA.	* 1c	C	39:17.			
28	8.25pm.	Upminster, Essex, ENGLAND.	u	C	36.			
29	7.30pm.	Winton, nr.Bournemouth, Hampshire, ENGLAND.	8a	B	2.			
?	6.15pm.	Holstein, Ontario, CANADA.	32c	C	39:16.			
?	c.10.0pm.	Nr.Okavango Swamp, BOTSWANA.	?*46	C	43:14.			
OCT.								
1	c6.30pm.	Mitcham Common, S.London, ENGLAND.	11	B	61:5.			
1*	?	Between Maun and Francistown, BOTSWANA.	*17a	B	43:14.			
4	c4.15pm.	Nr.Eastleigh, Hampshire, ENGLAND.	11	C	3.			
4	11.45pm.	Rhuddlan, Flintshire, WALES.	47	A	37.			
5	c3.00am.	Nr.Kahoka, Missouri, USA.	1a	A	58:4.			
5	4.30am.	12 miles N.of Rolla, Missouri, USA.	?1a	A	58:6.			
5	6.10am.	Truro, Nova Scotia, CANADA.	u	B	20:29.			
5	6.10am.	Sheerwater, Nova Scotia, CANADA.	1a	C	39:17.			
5	c7.15am.	Truro, Nova Scotia, CANADA.	u	B	39:17.			
6	8.45pm.	Kent, nr.Dodge, Ohio, USA.	8a	A	6:2.			
6	9.00pm.	West Akron, Ohio, USA.	?9	B	6:2.			
8	8.30pm.	Northampton, Ohio, USA.	32b	B	6:2-3.			
9	12.00am.	Camp Butler, Pennsylvania, USA.	1a	B	6:3.			
9	c9.15pm.	Hillcrest, Natal, REP.SOUTH AFRICA.	4	A	42:6.			
9	(night)	Ilkeston, Derbyshire, ENGLAND.	1a	C	59:2.			
11	2.15am.	Between Bay City and Caro, Michigan USA.	1a	A	58:4-5.			
11	?	Porto Alegre, Rio Grande do Sul, BRAZIL.	4	C	25; 35; 26.			
14	?	Eberbach, Baden-Württemberg, GER-MANY.	?8a	A	35:30.			
16	pm.	Durban, Natal, REP.SOUTH AFRICA.	46	C	43:13.			
17	c10.05am.	Castel area, Guernsey, CHANNEL ISLANDS.	?18a	C	21:32.			

OCT.								
17	?	Nr.Georgetown, Ontario, CANADA.	46	A	39:17.			
18	8.00pm.	East Akron, Ohio, USA.	30	C	5:1.			
18	c8.0pm.	Siegburg, nr.Bonn, Westfalen, GER-MANY.	1a	B	35:30.			
18	10.40pm.	Shelbourne, Ontario, CANADA.	?* u	C	39:17.			
19	6.45pm.	Nr.Morley, Alberta, CANADA.	1a	B	39:17.			
20	1.15pm.	Waterkloofridge, Cape Province, REP.SOUTH AFRICA.	1a	C	21:iii.			
21	?	Pretoria, Transvaal, REP.SOUTH AFRICA.	1a	C	43:13.			
27	am.	Mount Pleasant, nr.Salisbury, RHO-DESIA.	46	C	42:18.			
29	4.40pm.	Jaeren, nr.Kristiansand, NORWAY.	8d	A	0			
29	7.20am.	Sidmouth, Devonshire, ENGLAND.	8a	C	21:30.			
29	8.45pm.	Worcester Park, Surrey, ENGLAND.	11	A	0			
?	c7.0pm.	Kielder Forest, Roxburghshire, SCOTLAND.	?43	B	0			
NOV.								
2	?	Wootton, Northamptonshire, ENGLAND.	45	B	59:1.			
3	c3.45pm.	Northampton, Northamptonshire, ENGLAND.	8a	C	59:1.			
3	8.45pm.	Chalgrove, Oxfordshire, ENGLAND.	17a	B	0			
3	c9.30pm.	Manor Park, London, ENGLAND.	14a + 47	C	60:1.			
3	c9.35pm.	Canning Town, London, ENGLAND.	14a	C	60:1.			
3	11.15pm.	Hayes End, Middlesex, ENGLAND.	u	C	49:7.			
3	(night)	"road in southern NORWAY".	1a	C	20:31.			
7 or 8	(night)	Between Crewkerne and Tintinhull, Somerset, ENGLAND.	10	C	24; 48:5.			
12	6.45pm.	Hayes End, Middlesex, ENGLAND.	?1a	A	49:7-8.			
13	2.00am.	Kesteven, nr.Saxilby, Lincolnshire, ENGLAND.	8a	B	60:4; 61a:12.			
13	c2.00am.	Northampton, Northamptonshire, ENGLAND.	46	C	29; 58:2.			
15	c5.10pm.	Nr.Burgess Hill, Sussex, ENGLAND.	20	B	58:2.			
20	pm.	Scunthorpe, Lincolnshire, ENGLAND.	?1c	C	21:31.			
21	8.10pm.	Gritstone, Derbyshire, ENGLAND.	4	C	0			
21	9.20pm.	Sutton-in-Ashfield, Nottinghamshire, ENGLAND.	16	B	0			
21	11.35pm.	Clapton, London, ENGLAND.	11	B	58:2.			
21	(night)	Between Alfreton and Matlock, Derby hire, ENGLAND.	8a	A	12.			
21	(night)	Hackney, London, ENGLAND.	11	C	0			
24	8.40am.	Westcliffe-on-Sea, Essex, ENGLAND.	17a	B	0			
24	11.30pm.	Hackney, London, ENGLAND.	8a	B	0			
25	c8.45am.	Between Redruth and Falmouth, Cornwall, ENGLAND.	17a	A	21:30-1.			
27	?	Bookham, Surrey, ENGLAND.	2	A	47.			
28	11.50pm.	Hillside, Bulawayo, RHODESIA.	46	C	4:1.			
29	5.30am.	Between Canton and Akron, Ohio, USA	1a	B	6:3.			
30	c6.01pm.	Bashley, New Milton, Hampshire, ENGLAND.	46	A	21:31-2			
?	6.53am.	Tonstead, Norwich, Norfolk, ENGLAND	1c	A	0			
DEC.								
1	c5.00am.	Manhattan, New York, USA.	46	B	39a:3.			
1	c5.00am.	Queens County, New York State, USA.	1c	C	39a:3.			
2	8.45pm.	Kenmore, Ohio, USA.	46	B	5:1.			
3	2.30am.	Nr.Uniontown, Pennsylvania, USA.	46	B	6:4.			
3	3.00am.	Northampton, Ohio, USA.	46	A	6:4.			
3	6.15pm.	Akron, Ohio, USA.	47	C	5:1.			
5	6.15am.	Nr.Coventry, Warwickshire, ENGLAND.	10	C	48:4.			

DEC.	5	9.00am.	Newcastleton, Roxburghshire, SCOTLAND.	71	B	0.
	6	12.15am.	Blackbird Leys, Cowley, Oxfordshire, ENGLAND.	46	B	0.
	6	6.15am.	Ryton-on-Dunsmore, Warwickshire, ENGLAND.	46	C	48:4.
	6	9.0am.	Bray Head, Kerry, EIRE.	47	C	59:2.
	8	am.	Wightwick, Staffordshire, ENGLAND.	46	C	59:2.
	8	(night)	Meekatharra mining-camp, 500 miles NE. of Perth, Western Australia, AUSTRALIA.	4	B	50.
	14	pm.	Wantage, Berkshire, ENGLAND.	29	B	30.
	19	c10.0am.	Millarville, Alberta, CANADA.	1c	C	39:17.
	19	6.15pm.	Nr. Sole Common, Boxford, Berkshire, ENGLAND.	16	A	0
	20	8.30pm.	Millarville, Alberta, CANADA.	46	C	39:17.
	31	10.30pm.	Elwaston, Stover, Missouri, USA.	*48	A	60:5.

KEY TO REFERENCES.

References given in the list above should be used as follows. The first figures refer to publications, and the second, separated from the first by colons, to the appropriate pages in the publications. Semicolons separate different references if more than one is given for a particular event. The letter 'O' signifies previously unpublished original reports. Some of the references cited, for example "Flying Saucer Review", also provide further details of primary sources not detailed here. References consulted by us were:-

1. Aberdeen Press & Journal: 1.6.70.	22. Flying Saucer Review - Case Histories (Suppl.1), Oct.'70.
2. Bournemouth Evening Echo: 3.10.70.	23. Folkestone Gazette: 22.1.70.
3. Bournemouth Evening Echo: 12.10.70.	24. Herald Express (Torquay): 9.11.70.
4. Contact (Rhodesia), newsletter no:1, 1971.	25. Journal de Samana: 11.10.70.
5. Contact (USA), Winter 1970-1	25a. La Nacion: 16.2.70.
6. Opus cit., Spring 1971.	26. Les Dépêches: 23.5.70.
7. Cosmos Magazine, no:9, 1970.	27. Les Dépêches: 26.5.70.
8. Opus cit., no:10, 1970.	28. Natal Witness: 18.9.70.
9. Daily News (Durban): ? 5.70.	29. Northants Chronicle & Echo: c14.11.70.
10. Daily Despatch (East London): 10.9.70.	30. Oxford Mail: 15.12.70.
11. Daily Despatch (East London): 19.9.70.	31. Panorama Magazine: vol.9, no:3, 1970.
12. Evening Post (Derby): 21.11.70.	32. Perception Magazine: no:17, 1970.
13. Evening Sentinel (Stoke): 5.6.70.	33. Phénomènes Spatiaux: no:24, 1970.
14. Exeter Express & Echo: 12.3.70.	34. Opus cit., no:25, 1970.
15. Exeter Express & Echo: 29.7.70.	35. " " ., no:26, 1970.
16. Exmouth Journal: 14.3.70.	36. Rainham Echo: 29.9.70.
17. Flying Saucer Review, vol. 16, no:3, 1970.	37. Rhyl Journal: ?(early).10.70.
18. Opus cit., vol.16, no:4, '70.	38. Saucers, Space and Science Magazine: no:59, 1970.
19. " " ., vol.16, no:5, '70.	39a. Opus cit., no:60, 1971.
20. " " ., vol.16, no:6, '70.	39. " " ., no:61, 1971.
21. " " ., vol.17, no:1, '71.	40. Skywatch Magazine, no:12, 1970
	41. Opus cit., no:13, 1970.
	42. " " ., no:15, 1971.
	43. " " ., no:16, 1971.

44. South-West Unidentified Aerial Phenomena Investigation Group, vol.2, no:2, 1970.	53. Ufolog, issue no:68, 1970.
45. Space-Drive Magazine, vol.i, no:4, 1970.	54. Opus cit., no:69, 1970.
46. Stratford & Newnham Express: 13.2.70.	55. " " ., no:70, 1970.
47. Surrey Advertiser: c28.11.70.	56. " " ., no:74, 1970.
48. Syntonic Magazine, no:10, 1971.	57. " " ., no:75, 1970.
49. Opus cit., no:11, 1971.	58. " " ., no:78, 1971.
50. Taranaki Press (New Zealand): 9.12.70.	59. " " ., no:79, 1971.
51. The Natal Observer: 27.2.70.	60. " " ., no:81, 1971.
52. The Star (Johannesburg): 18.9.70.	61. UFO News, issue no:2, 1970.
	61a. Opus cit., issue no:4, 1971.
	62. UFO Society Bulletin, vol.1, no:3, 1970.
	63. Waltham Forest Guardian: 27.2.70.
	64. Woodford Express & Independent: 4.2.70.

Addendum.

(The following reports were received too late for inclusion in the main catalogue.)

APR. 30	4.37am.	Nr. Turanga Creek, Whitford, North Island, NEW ZEALAND.	72	A	4:9-11.
AUG. 8	c9.50am.	North end of Waiheke Island, North Island, NEW ZEALAND.	5a	A	4:11; 5:3-6.
29-30	11.30pm-2.00am.	Nr. Lake Anten, Västergötland, SWEDEN.	8a	A	7:4.
SEP. 26	early am.	Nr. Salisbury, RHODESIA.	4	B	3.
OCT. 1	7.00am.	Dagenham, Essex, ENGLAND.	22	B	2:1.
14	pm.	Nr. Ute Mountain, Cortez, Colorado, USA.	62a	B	6:5.
22	8.45pm.	Parsloes Park, Dagenham, Essex, ENGLAND.	73	B	2:2-5.
NOV. 16	c6.35pm.	Glendowie and Tamaki River estuary, North Island, NEW ZEALAND.	?1a	A	1; 5:6-10.
16	pm.	Beckemeyer, Illinois, USA.	41a	C	6: 4-5.
24	5.45pm.	Centralia, Illinois, USA.	10	C	6: 5-6.

Key to References in Addendum.

1. Auckland Star: 17.11.70.	4. Spaceview Magazine, no:61, 1971
2. Essex UFO Study Group, vol.1, no:1, 1971.	5. Opus cit., no:62, 1971.
3. Rhodesian Herald: 28.9.1970.	6. Ufolog, issue no:80, 1971.
	7. Opus cit., no:82, 1971.

Our grateful thanks are again due to CONTACT (UK) and to numerous individuals for opportunities of examining and assessing the many unpublished ufo reports in their files. We hope to publish full accounts of these sightings, together with such drawings as accompany them, in due course.

UFO CATEGORIES IN 1970.

Analysis of the ufo reports received by Data Research for 1970, as they currently stand, suggests that they should be categorized as follows. The categories used here are those previously defined by Data Research (see UFO REGISTER, vol.i, pt.2, p.4), and are directly comparable to those given on page 4 supra. As on that page, those here are segregated into English reports and foreign reports, a comparison of these totals with those for 1969 being of considerable interest.

Four hundred and two separate ufo reports were received by Data Research during 1970, as against four hundred and sixty-five for 1969. The 1970 total, however, is unquestionably provisional, since information on several foreign and two British sightings, known to have occurred but at present lacking details, has not been received from those investigating them in time for inclusion in this review. In due course, a special supplement will be issued detailing these and such additional 1970 reports as may be received.

The literature is again partially at fault in mentioning numerous ufo manifestations without sufficient case detail to enable adequate evaluations to be effected. The intriguing Moon-like object said to have been observed over the Scampton/Scunthorpe area on an unspecified date in June (FSR, vol.17, no:1, 1971, p.31) is an example of this kind of reference. It is to be hoped that this, and other similarly vague reports, will be properly investigated in due course and detailed accounts of the results of these investigations published in the usual way.

Ufo reports for 1970 received by Data Research have been categorized as follows.

Reports.	A.	B.	C.	D.	E.	F.	G.	H.	J.	K.	L.	M.	N.
English.	21	39	40	29	2	7	4	-	-	-	-	3	1
Foreign.	41	55	56	85	1	11	74	1	-	-	1	1	-
Totals:	62	94	96	114	3	18	78	1	-	-	1	4	1

NEW UFO TYPES DURING 1970.

New ufo types reported during 1970, additional to those previously coded by Data Research (UFO REGISTER, vol.i, pt.2, pp.5-6) included the following forms. The mysterious beams of controlled light emanating from invisible sources, noted earlier in this volume, have been coded as a definite and distinct phenomena associated with ufos.

- 62a. Jelly-bean shaped.
- 64. Propeller-shaped: has 3 equi-spaced curved propeller-like flanges round a disc-shaped or spherical central body.
- 65. Beams of concentrated, non-dispersive light, emanating from undiscernible sources.
- 66. Bobbin-shaped.
- 67. Acorn-shaped.
- 68. Heart-shaped: possibly a variant of types 22 and 76.
- 69. Circular central shape, with a cone-shaped ventral structure, and surmounted by a triangular-shaped structure.
- 70. Hemispherical.
- 71. Inverted bowl- or pan-shaped.
- 72. Bottle-shaped, with encircling flange at or near base.
- 73. Mouth-organ shaped (straight).
- 73a. Mouth-organ shaped (curved).
- 74. Disc-shaped: edges jagged. A variant of type 30?

It is interesting to note that, of the above forms, types 65, 71, 73a, and 74 were observed on more than one occasion. While this may signify that the same objects were seen on separate occasions over different localities, it may also mean that several ufos of identical or closely similar design were used in different regions on several dates for specific but as yet undetermined purposes. In this connection it is worth noting that, whereas very few ufo photographs show objects of identical or closely similar design (a point discussed by Keel at some length in "Operation Trojan Horse", G.P. Putnam's Sons (New York), 1970), eyewitness descriptions and sketches not infrequently deal with identically or closely similarly shaped objects.

TEMPORAL DISTRIBUTION.

The following table summarizes the distribution of ufos during 1970 over a normal 24-hour day. Regrettably not all reports contain details of the times of the sightings described, although the known information again confirms that more ufos were seen between 6 pm. and midnight than at any other time of the day.

Category.	Midnight	6 am.	Noon	6 pm.	Midnight.
	to 6 am.	to Noon	to 6 pm.	to	
A	18	2	8		33
B	24	7	4		52
C	10	4	10		54

MATERIALIZATIONS & DEMATERIALIZATIONS.

As in other years, ufos during 1970 again performed the seemingly impossible feats of materializing from nowhere and/or of vanishing into "thin air". The following table summarizes the recorded cases.

Category. Materializations. Dematerializations.

A	3	19
B	4	24
C	2	4

Only four ufos during 1970 were observed to reorient themselves or abruptly "tip over" immediately prior to dematerializing, although two category A objects and two category C objects were seen to materialize and dematerialize alternately several times before each finally dematerialized for good, and a further category A object went through this procedure four times in succession while descending in an apparent "step-like" manner. Two dematerializations were described as "slow fade-outs", one of which (at Walthamstow on 1st. January) allegedly left the "shape" or "impression" of the object as a kind of "scorched image" on the cloud against which it had appeared. Nearly all dematerializations were noiseless.

Also of particular interest was the sequential dematerialization of three objects following the same flight path over Hampstead on June 16th. This event was reminiscent of the Allendale dematerializations of July 19th 1967, noted in the last issue of the UFO REGISTER (vol.i, pt.2, p.25).

MOTIONS AND SPEEDS.

As the following summary indicates, ufo speeds and motions during 1970 varied enormously, the speeds being, of course, those estimated by the original eyewitnesses. They are here classified as in the first issue of the UFO REGISTER (vol.i, pt.1, p.11).

	S e q u e n c e s .			C a t e g o r i e s .		
	A.	B.	C.	A.	B.	C.
Hovering or stationary.	18	19	18			
Hovering and spinning.	-	2	-			
Hovering and spinning, then fairly slow.	1	-	-			
Hovering and spinning, then slow ascent.	1	-	-			
Hovering and wobbly, then slow and undulatory.	-	1	-			
Hovering and wobbly, then fast.	-	1	-			
Hovering, then slow descent.	-	-	1			
Hovering, then slow.	5	2	2			
Hovering, then slow and wobbly.	1	-	-			
Hovering, then slow, then hovering.	1	-	-			
Hovering, then very slow.	-	1	-			
Hovering, then slow, then fast.	1	1	-			
Hovering, then moderately fast.	2	4	3			
Hovering, then fast.	4	2	5			
Hovering, then fast and spinning.	-	1	-			
Hovering, then fast, then hovering.	1	1	-			
Hovering, then very fast.	3	4	1			
Hovering, then very fast, then hovering.	-	-	1			
Hovering, then erratic, then very fast.	-	1	-			
Hovering, then erratic, then hovering.	1	-	-			
Hovering, then curved or circular motions, then slow.	-	-	1			
Very slow.	1	1	7			

Sequences.

Categories.

	A.	B.	C.
Very slow, then curved or circular course.	-	2	-
Very slow, then stationary, then very slow.	-	1	-
Slow.	2	13	7
Slow and spinning.	1	-	-
Slow and spinning, then hovering.	-	-	1
Slow, then hovering, then moderately fast.	1	1	-
Slow, then hovering, then erratic.	1	-	-
Slow, then hovering.	-	-	3
Slow, then hovering, then fast and undulatory.	-	-	1
Slow, then hovering, then moderately fast and undulatory, then fast erratic.	1	-	-
Slow, then hovering, then slow, then hovering.	-	1	-
Slow, then hovering, then slow, then fast.	-	1	-
Slow, then hovering, then slow.	-	-	1
Slow, then hovering, then fast.	1	-	-
Slow, then fast.	2	2	1
Slow, then very fast.	2	-	-
Slow, then erratic.	-	1	-
Moderately fast.	4	10	15
Moderately fast, then hovering.	3	-	-
Moderately fast and spinning, then very fast.	-	1	-
Moderately fast, then hovering, then erratic.	-	-	1
Moderately fast, then hovering, then moderately fast, then hovering, then zigzag.	-	1	-
Moderately fast, then erratic.	1	-	-
Moderately fast, then erratic, then hovering.	-	1	-
Moderately fast, then slow, then hovering, then zigzag.	-	1	-
Moderately fast, then zigzag, then fast and undulatory and spinning.	-	1	1
Moderately fast, then fast.	-	-	1
Fast.	11	6	19
Fast and undulatory.	1	-	-
Fast and spinning.	-	1	1
Fast and spinning, then hovering and spinning.	1	-	-
Fast, then hovering.	2	1	1
Fast, then hovering, then fast.	1	-	-
Fast, then hovering, then erratic.	-	-	1
Fast, then moderately fast (curved or circular course).	-	1	-
Fast, then zigzag.	-	1	-
Very fast.	-	3	4
Erratic.	-	-	3
Erratic, then moderately fast.	-	1	-
Zigzag movements.	-	1	-
Circular or curved course, then moderately fast and undulatory.	-	1	-
Complicated rectilinear flight pattern.	-	1	-

Descriptions of speeds and motions contained adjectives similar to those employed by eyewitnesses of ufo manifestations in other years, thereby confirming the "special" character of the performances seen.

COLOURS, COLOUR-SEQUENCES & EMISSIONS.

Ufo colours reported during 1970 were more varied than those noted for 1969, and are summarized below.

	A.	B.	C.		A.	B.	C.		A.	B.	C.
Bluish-white.	-	1	-	Purple.	-	1	1	Metallic.	5	-	7
White.	6	14	18	Dark Blue.	3	5	2	Grey.	6	-	3
Cream.	3	1	11	Pale Blue.	3	1	-	Silver.	2	21	1
Yellow.	10	9	5	Turquoise.	3	4	1	Black.	-	3	-
Golden.	3	2	4	Pale Green.	2	2	2	Brown.	1	-	-
Orange.	4	8	16	Dark Green.	4	-	-	Copper-hued.	-	1	-
Orangy-red	-	1	1	Red.	4	14	6	Pink.	1	-	9

Many of the foregoing colours, and also many of the following colour combinations, were described by eyewitnesses as fiery, glowing, or luminous --- neon or fluorescent lights frequently being used as comparisons. Fewer flickering or pulsating effects were reported in 1970 than in 1967, 1968, or 1969, although several instances did occur, again mostly in connection with objects described as globular lights.

Sequences.	A	B	C	Sequences.	A	B	C
White/yellow/blue.	-	1	-	Orange/white.	-	-	1
White/gold.	-	-	1	Orange/white/green.	-	-	1
White/gold/silver.	1	-	-	Orange/yellow.	1	-	-
White/amber.	-	1	-	Orange/red.	1	-	1
White/orange.	-	2	1	Orange and red alternately.	-	-	-
White/red.	-	1	3	Red/white.	2	-	-
White/red/blue/grey.	1	-	-	Red/white/blue.	-	-	1
White/pinky-red/blue/grey.	1	-	-	Red/silver.	1	-	-
White/silver.	-	-	1	Red/green.	1	-	-
Cream/golden-green.	1	-	-	Green/silver.	1	-	-
Yellow/orange.	2	-	-	Green/red.	1	-	-
Yellow/orange/green.	-	2	-	Green/blue/red.	1	-	-
Yellow/gold.	-	-	1	Blue/green/pink/yellow.	1	-	-
Yellow/red.	-	2	1	Blue/green.	-	-	1
Yellow/red/white.	-	1	-	Purple/white	-	-	1
Black/silver.	-	1	-				

Several ufos were reported with outlines or edges of a different colour from that of the main "body", these being quite distinct from the well-known halo effects. These were as follows.

Category.	Date.	Locality.	Outline colour.	Main body colour
B	22.7.70.	Puerto Rico.	Blue.	Red.
A	29.7.70.	Florida, USA.	Green.	Blue.
B	31.8.70.	Alberta, CANADA.	Orange.	Green.
B	29.9.70.	Bournemouth, ENG'D.	Orange.	Silver.
B	8.10.70.	Ohio, USA.	Red	Blue.
B	21.11.70.	Clapton, ENGLAND.	Black.	Yellowy-orange.
B	2.12.70.	Ohio, USA.	Red	White.

Most notable among the many reports describing halo effects were the following.

Category.	Date.	Locality.	Colour/s of halo/s.
A	7.1.70.	Duncan, CANADA.	Purple.
B	20.4.70.	Mulhouse, FRANCE.	Orange.
A	30.4.70.	Whitford, NEW ZEALAND.	Green (immediately next to object) with outer "layer" of a pink colour.
A	14.10.70.	Eberbach, GERMANY.	Rose.
B	21.11.70.	Clapton, ENGLAND.	Red.
A	19.12.70.	Boxford, ENGLAND.	Green.

Noiseless emissions connected with ufos during 1970 were as below.

Category.	Rays.	Trails.	Flashes.	Sparks.	Flames.	Smoke.
A	5	1	-	3	2	4
B	3	2	3	1	2	6
C	1	5	-	1	-	2

Special reference should be made here to the fact that (a) some of the trails were luminous or glowing, and (b) the smoke emitted by 2 objects (on 29.7.70 and 15.9.70 respectively) was green-coloured and that by another object on 2nd November was blue-coloured. One object was also observed to jettison solid material believed at the time to have possibly been metallic: this material was not recovered.

Noises allegedly emitted by ufos during 1970 included the following sounds. The total of noiseless ufos --- higher than in 1969 --- is also added for comparison.

Category.	Whining.	Humming.	Buzzing.	Crackling.	Hissing.	Whistling.	Whispering.	Clicking.	Swishing.	Droning.	Roaring.	Flapping (loud).	Noiseless ufos.
A.	-	2	1	-	1	-	-	1	-	-	-	-	37
B.	4	-	1	1	1	1	-	-	1	-	1	-	40
C.	2	2	-	-	-	-	1	-	1	1	-	1	33

One category B object was also reported to have made a "loud bang", the precise sound of which, however, was unspecified.

SIMULTANEOUS UFO OCCURRENCES.

The occasions on which more than one ufo was observed simultaneously over the same locality on specific dates in 1970 were as indicated below: 'u' denotes undescribed objects.

Date.	Locality/ies.	Ufo type/s.	No: seen.	Category.
2.1.70.	Leytonstone.	11(2 of) + 32a	3	A
7.1.70.	Hakodate harbour, Japan.	u	5	C
27.1.70.	Nr.Tucson, Arizona.	1a	3	A
30.1.70.	Nr.Mrewa, Rhodesia.	1a	3	B
3.2.70.	South Woodford.	8a	2	B
3.2.70.	Burton.	46	3	C
6.2.70.	Sacramento, California.	u	1, then 5	C
11.2.70.	Abbey Wood.	47	2	C
13.2.70.	Paulsgrove, Portsmouth.	8a or 46.	6 to 10	B
28.2.70.	Nr.Culbertson, Nebraska.	4	5	C
5.3.70.	Chichester.	46	2	C
18.3.70.	Salisbury, Rhodesia.	u	4	B
19.3.70.	Salisbury, Rhodesia.	u	4	B
27.3.70.	Chandlersford.	8a + 19 (3 of) + 43 (8 of)	12	A
9.4.70.	Squamish, Brit.Columbia.	u	4	B
19.4.70.	Squamish, Brit.Columbia.	u	4	B
26.4.70.	Mulhouse, Haut-Rhin, France.	46	3	C
3.5.70.	Hall Green.	8a	1, then 2	B
16.5.70.	Baden-Baden, Germany.	1a (3 of) + 17a + 45.	4 (or 5)	A
18.5.70.	Nr.Tewkesbury, Quebec.	66	3	C
18.5.70.	Stoneham, Quebec.	8a	2	B
19.5.70.	Montignac-sur-Vézère, France.	4	4	C
22.5.70.	Nr.Corinda, Australia.	46	2	C
26.5.70.	Tampa, Florida.	u	2	C
14.6.70.	Shepstone, Natal.	4 (3 of) + 10 (2 of).	5	A
16.6.70.	Hampstead.	46	3	B
? .6.70.	Bulawayo, Rhodesia.	8a	3	C
1.7.70.	Decatur, Illinois.	67	15 to 30	A
4.7.70.	Folkestone.	68	4	A
21.7.70.	Rotherham.	47	5	B
26.7.70.	Toronto Harbour, Ontario.	43	8 (2 x 4)	A
28.7.70.	Exeter, Devonshire.	u	4	C
5.8.70.	Bailieboro, Ontario.	46	3	B
28.8.70.	Hawkinge.	?46	2	C
29.8.70.	Islington.	46	2	B
8.9.70.	Kettering.	6 + 46	"several"	B
9.9.70.	Trenton, Ohio.	46	6	C
17.9.70.	Pretoria, Transvaal.	14b	1, then 2	A
1.10.70.	Mitcham Common.	11	6 to 10	B
3.10.70.	Hayes End.	u	6	C
4.10.70.	Rhuddlan.	?	1 (or 9)	A

6.10.70.	Kent, nr.Dodge, Ohio.	8a	2	A
9.10.70.	Camp Butler, Pennsylvania.	1a	4	B
11.10.70.	Nr.Caro, Michigan.	1a	2	A
27.10.70.	Nr.Salisbury, Rhodesia.	46	3	C
29.10.70.	Worcester Park.	45	7	A
3.11.70.	Northampton.	8a	3	C
12.11.70.	Hayes End.	u (?10)	10	A
13.11.70.	Nr.Saxilby.	8a	2	B
15.11.70.	Nr.Burgess Hill.	20	2	B
16.11.70.	Beckmeyer, Illinois.	41a + u	2	C
29.11.70.	Nr.Akron, Ohio.	1a	20	B
3.12.70.	Northampton, Ohio.	46	2	A

DISRUPTIVE EFFECTS.

The following table summarizes the various disruptive effects on terrestrial installations and mechanical equipment attributed to ufo activity during 1970.

Transient Effects:

Category.	Engine Failure (vehicles)	Light Failure (buildings and vehicles)	Compass reorient-tation.	Interferences	
				TV.	Radio.
A	1	1	-	-	2
B	1	1	-	-	-
C	-	-	1	1	1

Suffocating heat was also recorded in connection with the manifestation of two category A and two category C objects. These cases should be studied in conjunction with the incident at Trancas, Argentina (21.10.1963), when similar effects were experienced (see "UFOs: The Whole Story", Coral and Jim Lorenzen, Signet Books, NY, 1969, pp.190-191). One category C report also mentioned intense cold of temporary duration.

Permanent Effects:

Category.	Scorching.	Melting or Burning.	Car Windscreen Brakeages.	Excessive Winds.
A	-	1 (snow)	1	-
B	-	-	-	1
C	1	-	-	-

ANIMAL AND HUMAN REACTIONS.

The table below shows that human reactions during confrontations with ufos varied considerably.

Fright or Fear.	15.	Panic or Flight.	2.	Awe, or Wonder.	1.
Astonishment.	10.	Bewilderment.	1.	Incredulity.	2.
	Excitement.	3.	Curiosity.	2.	

One case also occurred in which the eyewitness suffered temporary skin discoloration. This may or may not have been self-induced.

Reported animal reactions were more numerous and varied than in 1969, the best authenticated instances being tabled below.

	Fear or Panic.	Restlessness.	Excitement.	Subsequent avoidance of area visited.
Dogs.	1	6	1	1
Cats.	-	1	-	-
Horses.	2	-	-	-
Pigs.	-	1	1	-
Birds.	-	-	3	-

OBSERVER STATISTICS.

As in other years, numerous reports were received in 1970 in which the numbers of eyewitnesses involved were given in very arbitrary terms. The available data, however, is summarized in the

following table. Races are again undifferentiated.

Ages (in years).	Males		Females		Sex Unrecorded	
	P*	S*	P*	S*	P*	S*
0 - 15	9	12	2	8	1	7
16 - 30	39	7	3	6	-	-
31 - 45	8	1	1	-	-	1
46 - 60	5	-	3	-	1	-
61 - 75	4	1	1	-	-	-
over 75	-	1	-	-	-	-
Age unspecified.	102	80	36	63	13	130+

* P = primary witness; S = secondary witness.

Although has not been possible to establish the occupations of ufo eyewitnesses, the the information currently available -- shown below -- again indicates that a thoroughly representative cross-section of the community observed ufos during 1970.

Government Employees.	1.	Watchmakers.	1.	Musicians.	1.
Policemen.	18.	Draughtsmen.	1.	Radio Announcers.	1.
Securitymen.	1.	University staff	2.	Boxers.	1.
Coastguards.	1.	Teachers.	8.	Scoutmasters.	2.
Astronomers.	5.	Students.	8.	Schoolchildren.	447+
Radar operatives.	2	Artists.	1.	Foresters.	1.
Civil Airport Staff and Airline Pilots.		Photographers.	3.	Gamekeepers.	1.
Merchant Seamen.	2.	Compositors.	1.	Farmers and Farm Workers.	5.
Fishermen.	2.	Editors.	2.	Labourers.	1.
Engineers.	1.	Journalists.	5.	Miners.	4.
Technicians.	1.	Telephonists.	1.	Windowcleaners.	1.
Craftsmen.	1.	Doctors.	1.	Servants.	1.
Administrators.	1.	Medical staff.	1.	Brewerymen.	1.
Accountants.	2.	Chemists.	2.	Deliverymen.	2.
Directors.	1.	Typists.	1.	Lorrydrivers.	4.
Foremen and Managers.	1.	Salesmen.	4.	Housewives.	51.
Storemen and Clerks.	3.	Railwaymen.	1.	Local officials.	1.
		Busmen	1.		

A cursory glance at these statistics is sufficient to show that, once again, the largest observer groups (policemen, housewives and schoolchildren) consist of persons who normally spend a large proportion of their time out of doors, being, therefore, ideally placed to view such ufos as appear. The wide range of occupations represented also confirms that all sections of the community see and report ufo manifestations, and generally corroborates the conclusions reached for other years.

Finally, optical aids used by eyewitnesses during 1970 can be summarized as follows. The overall total is fairly high and suggests the objects observed through these instruments were considered to be sufficiently interesting or abnormal to warrant the use of magnifying apparatus. As previously mentioned, this in itself is a point of considerable interest.

Category.	Binoculars.	Telescopes.	Radarscopes.	Rifle-scopes.
A	4	1	-	-
B	3	4	1	1
C	-	3	4	1

It is also worth recording that several additional ufos were observed through camera viewfinders, when both ciné and still photographs were taken of them on various dates during 1970. Reproductions of some of these photographs have been published in various magazines, such as "Flying Saucer Review", "Spacelink" magazine, "Phénomènes Spatiaux", etc., but the authenticity of some of them has been questioned (see "Spacelink" magazine, vol.6, no:4, 1971, pp.31-32).

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