

- Skydock, first over-wing passenger loading bridge to go into use (photo), 264
- Skynet 2, Hawker Siddeley Dynamics and GEC-AEI (Electronics) given Mintech contracts to develop proposals for higher powered communications satellites, 11; terminal fitted in HMS *Intrepid*, 291; UK military communications system, second satellite launched for, 322; communications satellite launched for test, 378; contract for two spacecraft awarded to GEC-Marconi Ltd, 379
- Sky Tours, Mallorca inclusive tour proposal rejected by ATLB, 112
- Skyways Coach Air, evaluating One-Eleven 475 and Fokker F.28, 699
- Smiths Industries, Aviation Division, J. S. Rivaz and A. M. M. Hodges appointed directors, 300
- Smiths Industries, speed and temperature limiter for R-R Allison TF41 (photo), 1013
- Smith, Ted, designing new single-engine sports aircraft, 665
- SNECMA, role in French aero-industry, 218; profit for 1969 reported, 285
- Snia Caravelle 12, rolled out (photo), 481
- Snia SN-604, Corvex, in maiden flight (report and photo), 105; in-flight photo, 200
- SNIAS Milan, reaches "decisive phase", 1027
- Socata, draws up distribution agreement with Bolkow, 78; Socata-MBB marketing link-up, Diplomat and Monsun described (illustrated report), 233-235; Minerva and Rallye on US demonstration tour (report and photo), 392
- Sonic boom, effect on man discussed (illustrated feature by Daryl May), 519-520; 526 and 526a; effect of (Pt 2 of feature article), 363-365
- Sopwith, Sir Thomas, celebrates 60th year as pilot, 892
- Sorceress, new racing aircraft flies (photo), 556
- Souriau Lectropion Ltd, J. P. Diess appointed managing director, 840
- South Africa, arms for, Government statements on, 163; Citizen Air Force Harvards being replaced by Impalas, 164; French President agrees not to renew contracts to supply helicopters to, 657
- South African Airways, increase domestic services, 229
- Southern Air Transport, Hercules can carry fully loaded T3D (correction), 265
- South Vietnamese Air Force, strength of and photo of F-5H, 928
- South West Aviation, starts regular flights to Cherbourg, 155; no connection with Westward Airways, 851
- Space Conference, European, meeting to discuss US offer of collaboration, 219
- Spacecraft, Scaevboard 1970 Part One, 98-99
- Space docking, Russia and US agree to set up working groups to discuss docking with each others' spacecraft, 694; US-Soviet agreement to develop compatible docking systems, 993
- Space Launchers, feature and tables on, 473-474
- Space, objects in, NASA report on number of, 64; health effects in, study of, 377
- Space Programme, UK, conditions for European post-Apollo collaboration rejected by UK, 762
- Space prospects for Europe (Post-Apollo Prospect), feature article, 540-541
- Space research, UK, 1968-1969, programme for, 726
- Space Shuttle, BAC to join North American Rockwell for Phase B project-definition studies of, 428; model of BAC conception of (photo), 309
- Space Station, proposed 12-man, paper by McDonnell Douglas engineers to American Astronautical Society, 378
- Space Tag, The (illustrated feature), 253-254; drawing of design for (photo), 509; Europe and the (feature), 824-825
- Spain, to buy 36 USAF F-4Cs, C130s, Orion and helicopters, 258; defence agreement with the US, 326; air traffic control in, 481; interested in Dassault Mirage F1, 821
- Spanish Air Force, Startegiers of (photo), 164
- Spencer Air Car, air-to-air photo of, 522
- Sprey Flight Systems Division, receives Mintech orders for twin Gyro Platform for RAF Buccaneers, 62; receives orders from Hindustan Aeronautics for two resins and epoxy compounds, 719
- Sportavia, RF-5 powered glider, RAF to evaluate (Sensor), 187
- Stampe, SV-4C, retired RAF pilot touring US in (with photo), 490
- Stapleford Flying Club, course for wives of members being run, 902
- Standardair, built by Continental Airlines pilot C. Walker (photo), 335
- Steinhoff, Lt-Gen Johannes, to take up Nato appointment (Sensor), 3
- Stol aircraft, BoT studies on likely to yield initial results, 583; problems of getting going (feature article), 619-620; Stol trials at Surrey Docks site foiled by rain
- Stolport to Stolport service, San Francisco to Sacramento, to be first, 704
- Stratford, Alan & Associates, to carry out study of air transport and airport needs in Southern England (correction), 265
- Sun and Planets, enveloped in transparent cloud of rarified matter, Soviet astronomers' theory on, 509
- Sub-Aviation, 330F Bura receives French category 1 public transport C of A, 664; SA.315 receives French type certificate, 664
- Sub-Westland WG 13, no firm commitment by French Government to purchase production version, 2
- Sundstrand Data Control, Qantas contract for 747 flight-data recorder and announcement/misic system, 779
- Supersonic commercial flying over Britain, proposals to ban, 483
- Supersonic transports, effects on environment, agreement to exchange information on signed by Aero-spaciale, BAC and Boeing, 348
- Supplemental airlines, US, Pan Am says number flying the Atlantic should be cut, 152
- Svensk Flygtjänst, target towing aircraft at Brumma Airport, Stockholm (photos), 324
- Swearingen Aircraft to assume world-wide marketing rights for Swearingen Metro, 974
- Swearingen Metro, negotiations with Fairchild Hiller over marketing programme for, 664
- Swearingen Merlin III, type certification awarded, and photo, 232
- Swingfire, proposals for developments of announced by BAC, 823
- Swissair, report on, 765 plans for technical agreement with Austrian airlines "for now definite", 550; agreement with UK Air Taxi Operators Association, 555; financial report on, 937; accepts 22nd and last DC-9, 1004
- Swiss Air Force, contenders for ground-attack aircraft order, 63; Switzerland may "shop around" further for replacement for Venoms of, 164; Mirage 3-Rs and Junkers Ju52/3M (photos), 292; recommendation that 30 rebuilt Hunters should be ordered for, 576
- Swiss Defence Force, successful 1970 Bloodhound firings, 920
- Swiss Federal Air Office, publishes fifth edition of 1:500,000 chart of Switzerland, 741; publishes fifth edition of 1:500,000 chart of Switzerland, 975
- Swiss Ministry of Defence, demonstrations of Aquata-Bell 205 given at invitation of, 576
- Switzerland, ground-attack aircraft order, HS Harrier new contender for, 291; ground attack aircraft order, companies contending for, 325; decision on new ground-attack aircraft likely to be delayed, 476; to purchase 30 refurbished Hunters, 830
- T**
- TAA (Trans Australia Airlines), signs A55 million contract for reservations system based on Univac computers, 699; orders HSD TRACE automatic test system, 976
- Tanzanian Air Force, may receive MiG-17s, 761
- TAP (Transportes Aereos Portugueses), starts daily Lisbon-Lisbonco flights services, 268; 481-482
- Technicair SA, contract awarded to for air conditioning Geneva Airport passenger building, 533
- Technology, Minister of, J. Davies appointed, 238
- Technology, Ministry of, A. Goodson to be head of Space Division in, 294
- Technology International, extracts from Sir George Edwards' lecture on *Partnership in Major Technological Projects*, 84-86
- Teledyne Continental Motors, Tiera range of engines deliveries to take place later than planned, 902
- Teledyne Ryan Aeronautical, mobile launch platform for Firebee (photo), 921
- Textron's Bell Helicopter Co, R. Kenworthy appointed international sales manager, 274; proprietor built by achieves 408kt in NASA wind tunnel, 598; UH-1N Twin Huey, first delivered to USAF, 610; photo of production line, 611; anti-armour version of AH-1G HueyCobra gunship (photo), 650; 214 Huey Plus (photo), 650
- THY Turkish Airlines, ordering four more DC-9s (report), 191; first of latest batch of DC-9s delivered, 264; contemplating acquisition of long-haul jets for Atlantic services, 521; to lease two Pan Am 707s, 899
- TMA (London), Bovingdon VOR and Chiltern NDB to replace Garston and Watford in, 729
- TMA (Trans Mediterranean Airways) buys three Boeing 707-320Cs from Braniff, 224; first round-the-world all-cargo service planned, 487
- Trade, need of, to be first British company to operate Fan Jet Falcon for charter, 200
- Tradewinds, takes delivery of fourth CL-44, 264
- Transavia Holland, latest Caravelle to join (photo), 71; experiences 94 per cent growth, 195
- Transmeridian Air Cargo, Conroy CL-44-0 at Stansted (photo), 107; to offer combined air/cargo service to Central and East Africa, 264
- Transponders, use of by light aircraft in controlled air space, 776
- Tridair Industries Ltd, use aluminium extrusions as edgings to air freight pallets, 687
- Triplex Safety Glass Co, contractor for A-300B windcreens, 235
- Tropics, not to build AESL Airliner under license, 768
- Trophies, Esto Aeroelastic (report), 356
- Tropoley, A. N., RAeS Fellowship received on his behalf, 891
- Tupolev, Tu-16 Badger, China reported to be building modified version of, 611
- Tupolev, Tu-144 (photo), 661; light deck photo, 858; makes fastest flight to date, 865
- Tupolev, Tu-154 to enter service next year, 332; eight in flight test programme (photos), 933
- Tupolev, variable-geometry twin-jet medium bomber likely to be put into production?, 1027
- Turana, target aircraft, being developed by Australian Department of Supply for RAN, 426
- Turkey, likely to be first MRCAs customer outside NATO consortium (Sensor), 292
- Turner, Michael, painting of Red Arrows and other subjects available, 811
- TWA (Trans World Airlines), annual report for 1969, 10; using two Lockheed Jetstars for initial conversion of trainee pilots, 192; R. R. Fredlin named director for Italy, 264; K. W. Davenport appointed senior director, international manager, 588; use of Lockheed Jetstars halves training costs for up-grading flight engineers, 664; rumours about financial collapse "unfounded", 929-930
- Tyler Aviation, ARB approved for airframe and engine maintenance (correction), 13
- U**
- Ultrasonoscope Co (London) Ltd, designs bond testing machine in association with BAC, 598
- United Air Lines, E. D. Coker appointed European director, 10; net loss in first half of 1970, 150; financial state described, 267; expects to introduce five-abreast tourist-class seating in DC-8s, 481; employee awarded \$45,850 prize for cargo-load-control scheme, 518; new maintenance dock and hangar (photo), 549; Caravelle 6R withdrawn from service, 735; to extended use of five-abreast seating in DC-8s, 933
- USAF (United States Air Force), limitations on size of B-1A supersonic bomber project, 100; first C-5A to visit Britain, report and photo, 146 and 147; C-130 over Germany (photo), 164; C-5A Galaxy at Lakehurst (photo feature), 213; selection of company to build daylight close air support aircraft for to be made, 379; F-111Es at Upper Heyford (report and photo), 429; F-111Es of 20 Tactical Fighter Wing arrive at Upper Heyford (illustrated feature), 503-504; two Generals aboard U-87 Seminole of which one apparently flew over Russian territory, 658; Cessna F-2A of 601st Tactical Control Wing (photo), 690; to purchase 30 UH-1Hs as base rescue helicopter, 823; SAC competition, results, 859; F-111Es at RAF Upper Heyford, plans for, 920; AX project, Northrop and Fairchild Hiller selected for fly-off competition, 1002
- US Air Line Pilots' Association, safety forum (report), 193-194; safety forum report (continued), 210-211; asks FAA to bring in requirement for bullet-proof cockpit doors, 551; Capt J. O'Donnell new president of, 897
- US Air Show, to be held at Dulles, May 27-June 4, 859
- US Army Aviation Materiel Laboratories (Avlab), receive Grover E. Bell Award, 37; Structures Division develops Tetra-Core overhead structural element for use in aircraft, 533
- US Army, safety operation with USAF, 888
- US defence contract procedures, major changes in announced, 212
- US defence expenditure, figures for 1971, 724
- US Dept of Transportation asked to fund CH-53D scheduled cargo service, 938
- US-European Fourth Eurospace Conference, discussing possible European participation in US post-Apollo programme, 509; at Venice, report on, 652-653
- US Marine Corps, CH-46 Sea Knight (photo), 224; to fit its Harriers with "downed pilot pod" (Sensor), 583; first production A-4M for (photo), 820
- US Navy, Poseidon missile being lowered into USS *Jamer Madison* (photo), 32; proposed lease of five business jets for combat training vetoed by House of Representatives, 268; 12F-6 Grumman Ducks, two resurrected for use in film, 268; Phoenix missile destroys drone fighter on first test, 291; midshipmen at Annapolis Academy to be given flying training on American Aviation Yankee, 522; President Nixon aboard USS *Saratoga* (photo), 548; completes successful demonstration of Cains alignment concept aboard USS *Wasp Hawk*, 508; considering use of Harriers for ship-defence against long-range missile launching vessels, 655-657; contract for 26 production versions of F-14A, 695; more flexible role for aircraft carrier of, 852; A-4E in role of MiG fighter (photo), 963
- US Naval Test Pilots' School, award to Flt Lt R. S. Burrows of the RAF (photo), 920
- US Strategic Air Command, RAF Vulcan competing with F-111s in Combat Competition, 611
- US SST, Senate Appropriations Committee approves funding, 858
- USSR:
- Air Force, combat training for fighter and ground attack (photo), 523; YAK-28P Firebar of (photo), 651; Tu-22 Blinder of (photo), 887
- naval power, of, 34; Red Banner Black Sea and Northern fleets, Beriev M-12 of (photo), 651
- optical telescope, claimed to be largest in world, 607
- sounding rockets, to supply India with large number of, 260
- SS-11 ICBM missiles, launches two into Pacific, 381
- Space programme, named applications-satellite programme, gain new spacecraft, 64; Soyuz 9 air making soft landing (photo), 64; Cosmos 359 launched (Venus 87), 291; Luna 16 launched, 430; Luna 16 lands on Moon, 478; Luna 16, reported orbiting the Moon, 509; Luna 16 flight, illustrated feature on, 578-579; Cosmos 365 thought to have tested fractional orbital bomb, 579; Luna 16, illustrations of and description, 606-606; Soyuz 9 continues give details of effects of weightlessness, 692; Zond 8 Moon probe, report on flight, 725; Luna 16, Moon rock brought back by, 725; fourth Intercosmos satellite launched, 725; Intercosmos 4 (photo of), 726; summary of Luna 16 operations, 763-763; Luna 17 in lunar orbit, 825; Luna 17 Moon car (Lunokhod 1), feature and photo, 854-855; Luna 17, photos of, 884; Lunokhod operation details (report and photo), 922-923; Cosmos satellite launches, progress towards permanent manned orbiting laboratory?, 923; Vertical 1, sounding rocket launched, 923; Lunokhod 1 successfully re-activated, 960; Venus 7, illustrated feature on mission, 992-993; Venus 7 destroyed?, 1029
- UTA, financial report on, 735
- V**
- Van Dusen Aircraft Supplies, launches Dart II emergency survival beacon, report and photo, 562; Narco navigation equipment in Cherokee (illustrated feature), 737
- Venezuelan Air Force, presented with silver silver by BAC (photo), 1026
- Venus, summary of US and USSR exploration flights to (with table and photo), 321
- Verdon Smith, Sir R. (photo), 893
- VFW-Fokker, first annual report on, 399
- VFW 614, banking consortium to put up money for, 1004
- Vickers Viscount prototype, first fare-paying passenger flight by (reminiscent photo), 195
- Viking Industries UK Ltd, complete range of centre standard PC connectors available, 918
- Vintex Ltd, W. L. V. F. Russell appointed engineering director, 976