
[Virtual Library] ホームページ<http://www.space-library.com>ミルスペースのアーカイブ他 ・[What's New] 新着アップデート

宇宙百科辞典(Cambridge, Encyclopedia of Space)のライセンスの交渉については中途になっていますが、日本語訳のみを載せて、グラフィクスは、本を購入する仕組みにリンクを張ることで処置しようと考えています。グラフィクスはそれぞれ credit があるのでそれらの了解をとる手間と時間並びに経費を考えるとタイミングを逸する

と思われるため。また、日本語テキスト訳のみをボランティアで実施し、電子配信を可能化することについては、出版元法務部門は不問に付するという扱いという回答を受取っております。現状の訳を章ごとにまとめて、RFC(Request For Comment)としてホームページに上げるのが有益かと考えている次第です。

4/7(金)19:00 ~ SPACE SNSTV 「R1 フェスティバル VOL2」 <http://event.snstv.net/>

SF/J パトリック・コリンズ教授のプレゼンテーション

前回好評だったイベントに引き続き宇宙未来について語ります。皆さんぜひご参加下さい!!

場所/六本木スーパーデラックス <http://www.super-deluxe.com/>

平成 18 年 4 月 3 日(月) ~ 5 月 12 日(金) 参加登録受付期間 (当日消印有効)

第 14 回衛星設計コンテスト 参加登録受付始まる!

大学院、大学、高等専門学校の学生及び高校の生徒であればどなたでも応募できる。

募集要項・参加登録様式等詳細は財団法人日本宇宙フォーラム サイトへ

2006.3.27 Defense News **[前半抜粋]**

米国軍事衛星の遅れで、企業は機会を得る

Firms See Opportunity in U.S. Sat Delays
By MICHAEL FABEY

The U.S. Defense Department's "go-slow" approach to space acquisition could hardly come at a worse time for the military — or at a better moment for a growing number of smaller contractors hungry for a piece of Pentagon pie.

The military services are demanding greater space-based communications and capabilities to fight terrorists around the globe, yet the Pentagon has decelerated its nearly three-decade-long, \$60 billion overhaul of its satellite fleets in an effort to end the delays and budget overruns that have drawn congressional ire. So Air Force leaders are taking what they call an "acquisition strategic pause" for its top space programs.

Among the paused programs is the Transformational Satellite (TSAT) network, intended to be the celestial communications backbone of nearly every major system the U.S. military plans to build.

Predicted to cost up to \$18 billion, the five TSAT satellites are intended to knit the military's troops, ships, planes and ground vehicles into a network called the Global Information Grid. The satellites, which communicate by laser pulses instead of radio waves, are intended to deliver far more data

See SATELLITE, page 8

U.S. SATELLITE PROGRAMS
Cost overruns and schedule slips with the Transformational Satellite and other space communications programs have contractors rushing to supply high-bandwidth products to the military.

Transformational Communications Satellite (TSAT)
Service: U.S. Air Force
Mission: Very high-speed data transfer
Status: In risk-reduction and system-definition phase
Schedule (original date): First launch 2013 (2012)
Constellation size: Five
Contractors: Boeing, Lockheed Martin, Northrop Grumman

Advanced EHF (AEHF) Satellite
Service: U.S. Air Force
Mission: Survivable satellites for data transfer
Status: In production
Schedule (original date): First launch around early 2008 (2006)
Constellation size: Three
Contractors: Lockheed Martin Space Systems, Northrop Grumman

Future Imagery Architecture
Agency: National Reconnaissance Office
Mission: Next-generation photo-recon imaging intelligence satellites
Status: In development, delayed
Schedule (original date): Uncertain when full capability will be deployed (2005)
Constellation size: Official number is classified. Analysts say it could be dozens.
Contractors: Lockheed Martin, Boeing

SOURCE: Defense News research
DEFENSE NEWS GRAPHIC BY CHRIS BRIZ

Aerospace Daily & Defense Report Apr 3,2006

安全レポートは Calipso 衛星設計に関する混乱を取上げ

Safety report cites confusion over Calipso design

A report by the NASA Engineering and Safety Center (NESC) cites "confusion over safety requirements" during the development of the U.S./French Calipso environmental spacecraft set for launch April 20 from Vandenberg Air Force Base, Calif.

NASA engineers believe questions they raised between 2003-2005 about the risk of fire and toxic hazards involving the French propulsion system on the spacecraft will help define future U.S. requirements for participation in unmanned international space missions.

According to a 180-page NESC report, the French Space Agency (CNES) declined to provide key information to NASA, complicating safety assessments after concerns were raised by engineers at the Goddard Space Flight Center in late 2003.

The NESC was formed at the NASA Langley Research Center, Va., in the wake of the Columbia accident, and the Calipso issues pit post-Columbia NASA safety rigor against French technology transfer issues. The Calipso spacecraft's name stands for Cloud-Aerosol Lidar and Infrared Pathfinder Satellite Observations. Concern sparked assessment

The \$275 million satellite is set for liftoff on a Boeing Delta II that will also be carrying the \$200 million CloudSat spacecraft. The flight is a major environmental mission intended to enable the differing instruments from the two satellites to view the same column of atmosphere nearly simultaneously.

The concern was that the French design uses mechanical fittings potentially more susceptible to leakage between propellant lines compared with interfaces that are welded shut under U.S. design requirements. Hydrazine leakage out of thrusters was also a concern as was "the potential for inadvertent thruster firings." The lack of a valve to cut off any upstream source of leaking hydrazine was also a concern.

"The fact a hazardous event is unlikely occur does not mean that it cannot occur," the safety center said in its Calipso report. That concern sparked a detailed assessment that eventually involved engineers from the Glenn Research Center, the Johnson Space Center and the Kennedy Space Center (KSC), which heads NASA's Launch Services Program overseeing launch operations of all NASA spacecraft no matter where they are flown. The Aerojet

company also did extensive analysis of the issue. The spacecraft uses a Proteus propulsion bus like that flown without concern on the joint NASA/CNES Jason-1 ocean topography mission launched in 2001. Calipso, also using a Proteus system, was built by Alcatel around environmental instruments provided by Ball Aerospace, NASA's Langley and the Institut Pierre-Simon Laplace in Paris. NASA engineers were eventually given permission by France to visit the Alcatel plant where the propulsion system was designed to review the safety issues. "Alcatel was exceptionally open and cooperative," the NESC final report says. Clearly confusion'

As a result, extra safety measures were approved in 2005 reducing risk to acceptable levels for fueling the spacecraft and clearing it for launch. But the NESC report also says the CNES position complicated the investigation. The French space agency declined to allow NASA managers to see key Calipso design drawings.

The NESC assessment also indicates that U.S. personnel should have brought up these issues earlier in the Calipso program — a factor for future programs. "When NASA is involved in missions with outside partners, the level of NASA insight and influence on non-NASA hardware design, verification and acceptance testing should be documented, clearly communicated and carried as a protect risk to be tracked," says the NESC. "There was clearly confusion over certain safety requirements among organizations involved in Calipso," the NESC found.

"The roles of various in-line and independent safety organizations should be clearly defined and their expectations documented as project requirements," the safety center said.

"Key CNES information requested for this assessment through the Goddard program office was not provided. This fact limited the review team's ability to draw conclusions based on objective evidence," the safety center said. The NESC said that although Alcatel was fully cooperative, the CNES decision complicated NASA's assessment of safety issues and resulted in added U.S. processing requirements to make sure all prelaunch preparations of Calipso are done safely.

SPACE RACE: Powerful members of Congress are pressing NASA

Administrator Michael Griffin over China's human spaceflight ambitions, warning that the totalitarian nation could get to the moon before the U.S. human exploration program does. "I don't trust China," says Rep. Frank Wolf (R-Va.), chairman of the House Appropriations subcommittee that sets NASA funding. At a fiscal 2007 budget hearing, Wolf agreed with panel members from both parties to hold a hearing on China's space program that would include a classified intelligence briefing and open testimony from NASA, the Defense Department and others. Pressed by panel members, Griffin says China's new Shenzhou vehicle could handle

the stress of a lunar-return reentry, a capability the U.S. won't have until the Crew Exploration Vehicle is built. But he points out that China, like the U.S., does not have a heavy-lift lunar launcher, and argues that the U.S. should pursue its own goals regardless of what other nations do. "I think the 'race to the moon' in the '60s did more harm to the American space program in the long run than it did good, because the buildup that we went through then was not sustainable, and was followed by an inevitable build-down, and we've been paying for it for 35 years," he tells reporters.

衛星打上げ:2005年には米軍事衛星8機を打上げたが、2006年は13機を計画

SAT LAUNCHES:The U.S. Air Force says it launched eight Defense Department and other national-security satellite systems in 2005

from Air Force managed and maintained launch ranges at Cape Canaveral Air Force Station, Fla., and Vandenberg Air Force Base, Calif. That number is expected to increase to 13 this year as the

Evolved Expendable Launch Vehicle program takes over as the foundation for U.S. assured access to space, top Air Force officials tell Congress.

NASAの広報ポリシー: NASAグリフィン長官は3月30日に新しい広報ポリシーを公表

NASA PR POLICY: NASA Administrator Michael Griffin released a new public affairs policy on March 30

designed to allay complaints from the agency that political appointees at agency headquarters have tried to shape news on NASA backed science results to boost administration policy. "NASA, as an Agency, does not take a position on any scientific

conclusions," the new policy states. "That is the role of the broad scientific community and the nature of the scientific process. NASA scientists may draw conclusions and may, consistent with this policy, communicate those conclusions to the media."

ミルサットコム・サービス:Telesat はカナダの沿岸警備隊船舶38隻むけに高速ボイスとデータ通信システムを提供する契約を結ぶ

MILSATCOM SERVICES: Telesat will supply as many as 38 Canadian Coast Guard vessels with high-speed voice and data communications systems under its first contract for offshore mobile milsatcom services. The award includes the leasing of Ku-band capacity on Telesat's Anik F2 spacecraft, launched in mid-2004, and delivery and integration of ground equipment. Dave Lahey, Telesat's business development vice president, says the service — to be rolled out over two years — highlights the value of cost-effective mobile technologies developed for broadband applications, and is expected to lead to similar deals in the U.S. and

Canada in the near future. About 10 percent of Telesat's business is currently with governments. ICBM PROGRAM: Northrop Grumman Corp. said March 31 that it has been awarded a \$135 million, six-year contract to start full-rate production on the Minuteman III Intercontinental Ballistic Missile Safety Enhanced Reentry Vehicle program. Under the SERV program, the Minuteman III missile will carry single Mark 21 reentry vehicles decommissioned from the Peacekeeper force to ensure continued reliability and effectiveness of the ICBM weapon system. Lockheed Martin and Boeing are program teammates.

Aerospace Daily & Defense Report Apr 3,2006

民間の空域は非常に急速にいっぱいになりつつある、とFAA連邦航空監督局は発言

Civil air space to fill up 'very, very rapidly,' FAA official says

CROWDED SKIES: FAA Administrator Marion Blakely says civil

airspace will soon be "filling up very, very rapidly" with more

commercial aircraft of all sizes, including unmanned aerial . . .

HASC 下院戦力投入委員長は核装備海軍を推進

HASC projection forces chair keeps pushing nuclear Navy

SHIFTING WORK: Rep. Roscoe Bartlett (R-Md.), chairman of the House Armed Services projection forces subcommittee, continues

to push the Navy to consider making far more of its . . .

ノースロップグラマンは ICBM リエントリー・ビークルの\$135M の契約を獲得

Northrop Grumman wins \$135M contract for ICBM Reentry Vehicle program

ICBM PROGRAM: Northrop Grumman Corp. said March 31 that it has been awarded a \$135 million, six-year contract to start full-rate

production on the Minuteman III Intercontinental . . .

レイセオンは F/A-18 レーダの補用品で\$22.8M の契約を結ぶ

Raytheon awarded \$22.8M contract for F/A 18 radar spares

RADAR SPARES: Raytheon Space & Airborne Systems has been awarded a \$22.8 million contract to provide the U.S. Navy with

AN/APG-73 radar spares used on F/A-18 aircraft, . . .

ロッキード、シコルスキーは量産型 MH-60R の初号機を納入

Lockheed, Sikorsky deliver first new-production MH-60R

Lockheed Martin Corp. and Sikorsky Aircraft Corp. on March 31 delivered the first new-production MH-60R helicopter to the U.S. Navy. . . .

レイセオンは海軍の機雷探知の契約変更で\$38.6M を得る

Raytheon wins \$38.6M Navy mine detecting contract modification

MINE DETECTING: Raytheon Co.'s Integrated Defense Systems has been awarded a \$38.6 million contract modification to provide

the U.S. Navy with five AN/AQS-20A sonar mine detecting systems . . .

2006 年 3 月 30 日 18:43 WIRED NEWS (2006/03/30)

世界 IT 対応番付: 日本はトップ 10 から転落

<http://hotwired.goo.ne.jp/news/20060330107.html>

民間経済研究機関『世界経済フォーラム』は、各国の情報技術 (IT) への対応度を格付けした 2005 ~ 06 年版『世界 IT レポート』を

発表。前年 5 位に転落した米がトップに返り咲き、日本は 8 位から 16 位に転落。

2006 年 3 月 29 日 7:49 [CNET Japan 2006/03/29] ニュースフロント 2006/03/28 14:42

ウィルコム、PHS 端末の位置検索サービス開始--他社の携帯からも利用可能

ウィルコムとウィルコム沖縄は 4 月 6 日から、PHS 端末位置を検索できる「ウィルコム位置検索サービス」を開始。ウェブブラウザベース操作画面を備え、ウィルコム PHS 端末のほか、他社携帯電話機やパソコンからも利用できる。保護者が子供の居場所を確認するといった用途に、ウィルコムグループが保有する国内 PHS ネットワーク 16 万局を利用。GPS では電波の届きにくい地下鉄駅構内、地下街などで容易に位置検索を行なえる。サービス専用サイトにアクセ

スし、ID とパスワード入力すると、自分が契約した PHS 端末の現在位置を住所情報や地図で確認できる。また契約した PHS 端末からほかのパソコンや携帯電話機などに向け、自分の現在位置を知らせるメールを送信できる。対応 PHS 端末は「AP-K202S (安心だフォン)」「WX300」「WX300310」「AH-J3003S」「WS003SH (W-ZERO3)」など。利用料金は初期費用 525 円、月額料金 315 円。検索月 10 回まで無料で、その後は

追加料金 1 回あたり 5.25 円がかかる。

<http://japan.cnet.com/news/com/story/0,2000047668,20099497,00.htm?tag=nl>

2006 年 3 月 29 日 7:49 [CNET Japan 2006/03/29] 文: Stephen Shankland (CNET News.com)

10GbE 技術、米新興企業 NetXen が IBM と HP に提供

次世代ネット機器を製造するシリコンバレー新興企業が、IBM と Hewlett-Packard (HP) の 2 大サーバベンダを顧客として獲得。

NetXen (本社: カリフォルニア州サンタクララ) は、従来のイーサネットネットワーク上で 10Gbps データ転送を実現するネットプロセッサやネットカードを製造。この速度は、既存の典型的サーバネットワ

<http://japan.cnet.com/news/ent/story/0,2000047623,20099479,00.htm?tag=nl>

翻訳校正: 河部恭紀 (編集部) 2006/03/28 12:49

ーク機器の 10 倍に相当。IBM が既に Neterion の顧客でもあることから明らかのように、市場には NetXen 以外にもベンダは存在。しかし、NetXen によると、同社製品は低価格と、ネットトラフィックのクラス検知し適切に処理する機能を特徴にしている。(後略)

2006 年 3 月 31 日 17:20 時事通信社「世界週報」 4 月 11 日号目次 **[抜粋]**

<シリーズ>

日本と世界の安全保障 / 米国の 06QDR とわが国の対応 (佐久間 一)

今週の軍事情報 / 宇宙で衛星と四つに組むスモウ (江畑 謙介)

知られざる自衛隊 / 防大で 50 回目の卒業式 (風間 實)

ワールドナウ / 戦略的観点で結ばれた米印核合意 (富山 泰)

Aerospace Daily & Defense Report Mar 31, 2006

欧州の Smart-1 による月からのデータリリース近づく

Data release from moon by Europe's Smart-1 nears

Full release of scientific data from Europe's Smart-1 lunar-orbiter mission will begin over the coming weeks, following validation by the European Space Agency's scientific team.

Additional data will be posted on ESA's Smart-1 Web site for months. The Smart-1 probe started orbiting the moon on Nov. 15, 2004, after a yearlong journey using ion propulsion. It is expected to continue sending data until it crashes on the surface in August after an 18-month scientific campaign. Although ESA originally expected to begin the data release by March, the process has been

slowed by budget constraints that have forced the same teams to handle both mission operations and data analysis, says mission scientist Bernard Foing.

Meanwhile, controllers at ESA's Space Operations Center in Darmstadt, Germany, are making final preparations for the April 11 orbit insertion of the Venus Express mission. That spacecraft will make a 51-minute mainengine burn designed to send it into a preliminary orbit around the cloud-shrouded planet. The final orbit should be achieved early next month.

Aerospace Daily & Defense Report Mar 31, 2006

SpaceX マスク CEO: Falcon 1 の失敗にもかかわらず顧客は継続

Musk: Despite Falcon 1 loss, SpaceX customers hang in

LOS ANGELES — Space Exploration Technologies had a rough start with the loss of its first Falcon 1 rocket on March 24, but its future customers are hanging in for now with the low-cost launch company, says SpaceX founder and CEO Elon Musk.

SpaceX engineers believe they know the cause of the accident, and Musk hopes to make the second flight by September or October.

The early fallout is that the second flight, of the Naval Research Laboratory's TacSat-1 spacecraft, is being shifted to the remote Omelek Island launch site in the Kwajalein Atoll, where the accident happened. TacSat-1 had been booked for launch from Vandenberg Air Force Base, Calif., but there are several nearby launch pads that could be threatened. Officials had considered

launching TacSat-1 from either site, and at this point "it would probably be an uphill argument to fly it from Vandenberg," Musk says. "It's probably easier to go to Kwaj."

The March 24 flight reached an altitude of about one mile after the engine shut off 29 seconds after liftoff, then fell back and hit about

100 yards from the launch pad. The ascent is nearly vertical for the first 40-50 seconds. The payload, the Air Force Academy's 43-pound FalconSAT-2 satellite, sprang free and went through the roof of a small machine shop on tiny Omelek Island, landing remarkably intact on the shop floor.

Aerospace Daily & Defense Report Mar 31, 2006

空軍の長官は先進推進系に関心

Air Force chief interested in advanced propulsion

Air Force Secretary Michael Wynne's says he's looking for a long-range strike aircraft with the speed of an SR-71, the loitering

ability of a B-2, and the . . .

空軍は DMSP 軍事気象衛星の延命を検討

Service life extension studied by AF for DMSP

The U.S. Air Force is studying the alternative of performing a service life extension program (SLEP) on already-built Defense

Meteorological Satellite Program (DMSP) spacecraft that have yet

軍事脅威低減局：核から衛星を守ることに進展があった

DTRA: Progress made in protecting sats from nukes

Progress is being made in protecting U.S. satellites from the dangerous aftereffects of nuclear detonations, according to James

Tegnalia, director of the Defense Threat Reduction Agency (DTRA). . . .

インドは宇宙カメラの試験装置をベルギーから購入する

India buys space camera test gear from Belgium

TEST GEAR: Belgium-based Advanced Mechanical and Optical Systems (AMOS) has signed a contract with Indian Space Research

Organization's (ISRO's) Space Application Center in Ahmedabad for production of . . .

Aerospace Daily & Defense Report Mar 30, 2006

無人航空システム市場は\$17B に達すると予測

UAS market to reach \$17B, consulting firm says

Growing mission roles and recent operational successes will help spur the U.S. unmanned aerial systems market to \$17 billion in revenues by 2011, a business consulting firm says. Increasing UAS use by all four military services and commercial sectors are driving the growth, Frost & Sullivan said March 27. The U.S. UAS market earned revenues of \$2.14 billion in 2005, the company said. "On the operational side, UA systems have received praise and support across several services and ranks," Kathy Ellwood, a senior industry analyst, said in a statement. "Testimonies have been documented from many levels regarding the benefits of UA systems in theaters. In fact, those accolades are usually followed by the

desire for the delivery of more systems."

Payload technology advancements are expected to increase UAS costs, but won't influence military services' buys because of their needs for the aircraft, the company said. However, expense will be an issue for federal, state and local agencies with smaller budgets that want UA systems for surveillance.

Northrop Grumman and General Atomics Aeronautical Systems Inc. provide most UAS with the High Altitude Long Endurance (HALE) Global Hawk and the Medium Altitude Long Endurance (MALE) Predator. Meanwhile, many smaller firms are providing tactical and small UAVs that can be fielded faster. The market will demand the

fielding of as many of these vehicles as possible, rather than

increasing the capabilities of each vehicle, Frost & Sullivan said.

Aerospace Daily & Defense Report Mar 30, 2006

試験では Fire Scout UAV は部隊の通信を改善することが示された

Testing shows Fire Scout UAV improves troop communications

The RQ-8A Fire Scout vertical takeoff and landing tactical unmanned aerial vehicle demonstrated its ability to improve communications to ground troops in recent testing, according to its builder, Northrop Grumman Corp.

The testing program, called **Beyond Line-of-Sight Tactical UAV Communications Relay (BTCR)**, was conducted by Northrop Grumman and the Office of Naval Research. It took place Feb. 13-24 at the U.S. Army's Yuma Proving Ground in Arizona. The testing showed that a tactical UAV can be used for over-the-horizon communications relay, which allows moving battlefield commanders and ground troops to share uninterrupted data, voice,

and real-time video, the company said March 29. "During a battlefield engagement, ground troops may move faster or farther than the communications equipment will support, facing a potential loss of communications because of distance or rough terrain," John Featherston, Northrop Grumman's BTCR chief engineer, said in a statement. "For the first time, we were able to use a UAV to relay voice, data and real-time video via PDAs and laptops. This capability greatly extends the distance and speed that ground troops may travel, while maintaining continuous contact with battlefield commanders."

Aerospace Daily & Defense Report Mar 30, 2006

ICO はモバイル衛星サービスで前進

ICO moves ahead on mobile sat service

ICO North America has moved ahead on an old idea with its plans to deploy and operate a hybrid space-/terrestrial-based mobile satellite service (MSS). Continuing an effort started by its parent company, ICO Global Communications, ICO North America has picked an International Launch Services Atlas V to launch its first satellite. The ICO-G1 satellite, ordered last year from Space Systems/Loral along with its ancillary terrestrial component (ATC), is to be launched in mid-2007. Founded in November 2004, ICO North America is one of a handful of operators that won an ATC

license from the Federal Communications Commission. In August 2005, it arranged \$650 million in convertible debt to finance the system, expected to be in operation in July 2007.

Before the collapse of the first-generation MSS bubble in the late 1990s, ICO Global Communications had planned a constellation of medium-Earth-orbit MSS satellites, to be built by Boeing. The plan was subsequently abandoned after the company's emergence from bankruptcy.

Aerospace Daily & Defense Report Mar 30, 2006

空軍は新しい気象システムにレイセオンを選定

Air Force taps Raytheon for new weather system

The U.S. Air Force has awarded Raytheon Co.'s Imagery and Geospatial Systems unit \$9.4 million more for the Joint Environmental Toolkit (JET) program, which will integrate and possibly replace the existing Air Force Weather Weapon System. The award reinforces the company's work for the program. In September 2004, Raytheon's Bellevue, Neb., unit and Northrop Grumman Corp. both won 15-month, \$4.3 million Phase One Air Force contracts. At the time, Raytheon noted that the competition

positioned its team for a subsequent development program estimated at more than \$70 million.

The Air Force had planned to award a final Phase Two contract in October 2005. Instead, according to a March 28 statement from the Defense Department announcing the Raytheon award, solicitations began last October and negotiations were completed this month. Raytheon is scheduled to finish the work by February 2015, the DOD said. Headquarters Battle Management Systems Wing,

Hanscom Air Force Base, Mass., is the contracting activity.

The goal is to replace disparate legacy weather systems with a single, integrated capability that provides tailorable weather products to the Air Force and Army, including interoperability with command-and-control systems. The Air Force has been working to

consolidate and update its weather systems for a while. Four years ago, the Air Force Weather Agency chose TRW's Bellevue operation over Northrop Grumman and Harris Corp. to roll-up the agency's contracts (DAILY, March 7, 2002).

3/20/2006 - 3/24/2006 AstroExpo.com

Business News

[SAIC Wins NASA Safety and Mission Assurance Contract](#)

[BAE SYSTEMS' Radiation Hardened Computers Help NASA Success](#)

[BAE Systems Secures Partnership With Hellenic Aerospace Industry](#)

[Loral Skynet Re-Enters U.S. and North American Fixed Satellite Services Market](#)

[NASA Awards Information Technology Support Services Contract](#)

[Raytheon Awarded U.S. Air Force Contract for Tactical Meteorological Observing System](#)

International Space News

[International Space Station Status Report: SS06-012](#)

[Maryland Congressman Steny Hoyer Visits Swales Aerospace and Announces Funding to Support Satellite Research](#)

[GLONASS System to Open for Russian Consumers in 2007 - Minister](#)

[Russia, U.S. Sign Technology Agreement Under Satellite Project](#)

[Soyuz Re-Docking Manuever Performed Successfully](#)

Launch News

[NASA's Space Shuttle Processing Status Report: S06-010](#)

[NASA's Space Technology 5 Satellites Soar Into Space](#)

[Expedition 13 Prepares for March 29 Launch](#)

[NASA Appoints Board to Investigate Shuttle Arm Incident](#)

[Orbital Set to Launch NASA's Space Technology 5 Spacecraft aboard Pegasus Rocket: ST5 Mission Will be the First Pegasus Launch in 2006 and 37th in the Program's 16-Year History](#)

Aerospace Daily & Defense Report Mar 30, 2006

JSF の初テスト飛行は8月から10月にずれる

First test flight of JSF slips from August to October

The scheduled date of the first flight of a test version of the Joint Strike Fighter has slipped two months, according to the JSF

program's director. . . .

SpaceDev は政府の仕事で2005年は継続成長と報告

SpaceDev reports continued growth in 2005 thanks to government work

SpaceDev Inc. of Poway, Calif., finished 2005 with its 12th consecutive quarter of revenue growth and eighth consecutive

quarter of operating profit, company officials said during a . . .

空軍当局は軍事宇宙の計画の監督は進展があったと主張

Air Force officials claim progress in milspace oversight

Air Force Secretary Michael Wynne and Gen. Michael Moseley, Air Force chief of staff, told Senate defense appropriators March 29

that the service is progressing on revamping . . .

海軍のグローバルホーク初号機が Patuxent River 海軍航空基地に到着

Navy's first Global Hawk arrives at Patuxent River

UAV ARRIVES: The U.S. Navy's first Global Hawk unmanned aerial vehicle (UAV), N-1, arrived March 28 at Naval Air Station

Patuxent River, Md. N-1 is the first . . .

March 24, 2006 Aerospace Daily & Defense Report



Aerospace Daily & Defense Report Mar 29, 2006

GAO(政府アカウンタビリティ・オフィス):JSFの量産は価格、生産リスクが評価されるまで遅らせるべき

GAO: Pentagon should delay production of JSF until costs, production risks addressed

The Pentagon should delay production of the Joint Strike Fighter until it has a better handle on costs and production capability risks, | the Government Accountability Office said . . .

Europa の生命を捜す金はないが、多くのアイデアはある

There's no money, but many ideas for seeking life on Europa

NASA's \$3 billion slice from its FY '07 science budget has left its high-priority mission to look for life on Jupiter's icy moon Europa | in the poorhouse, . . .

JCM3軍共通ミサイルに関する国防総省の決定がおぼろげに現れつつある

Pentagon decision on JCM looming, Harvey says

Following the completion of an analysis of alternatives on the military's requirement for a Joint Common Missile, the Pentagon is | expected to make a decision about the . . .

連邦 IT 予算への関心はホームランド安全保障に向かう

Input: Fed IT attention turns to homeland security

Federal information technology (IT) spending will grow from \$75 billion this fiscal year to \$93 billion by FY '11, according to initial | findings from a five-year forecast . . .

Aerospace Daily & Defense Report Mar 28, 2006

NASA は Dawn 小惑星ミッションに2番目の機会を与える

NASA gives second chance to Dawn asteroid mission

NASA announced March 27 that it is reinstating the Dawn asteroid rendezvous mission, which the agency canceled earlier this month | due to technical problems and cost overruns. . . .

燃料漏れが Falcon 1 の打上げ失敗に

Fuel leak brought down Falcon 1, SpaceX CEO says

A fuel leak of "unknown origin" was responsible for the loss of Space Exploration Technologies' (SpaceX) Falcon 1 rocket shortly | after liftoff on its inaugural flight March . . .

NASA は CEV クルー探査ビークルの契約を延長

NASA extends contracts for Crew Exploration Vehicle

NASA has authorized contract extensions for the development of the Crew Exploration Vehicle (CEV) that could bring the value of | the Phase 1 contracts awarded to Lockheed . . .

中国は気象衛星データ受信局を7カ国へ寄贈

China donating weather sat data receiving stations

China is donating data receiving stations for its weather satellites to seven countries in a bid to garner more influence among Pacific | Rim and Indian Ocean nations. . . .

全ての潜水艦が自動識別システムをまもなく装備予定

All subs to sport Automatic Identification System soon

SUB AIS: After months of research, testing and evaluation, all submarine platforms soon will have "real-time situation awareness"

available while under way, the U.S. Navy says. In ...

防衛の注文は2月に耐久品が急増加

Census: defense orders surge February durables

DURABLE DEFENSE: New orders for manufactured durable goods in February increased \$5.5 billion, or 2.6 percent, to \$215.8

billion, largely due to defense and aircraft orders, the ...

NASA は 70m の DSN アンテナの 40 周年を祝うことに

NASA to celebrate 40th anniversary of 70-meter DSN antenna

ANTENNA ANNIVERSARY: On March 30 NASA will commemorate the 40th anniversary of the 70-meter (230-foot)

antenna at the Deep Space Network complex in Goldstone, Calif. The antenna ...

ハネウェルは JPALS プログラムの遂行にボーイング、シエラネバダと協力する予定

Honeywell to team with Boeing, Sierra Nevada to pursue JPALS program

JPALS TEAMING: Honeywell said March 27 that it has agreed to team with Boeing Co. and Sierra Nevada Corp. to pursue the

system development and demonstration phase ...

Aerospace Daily & Defense Report Mar 24, 2006

DARPA は斜め翼機の計画でノースロップを選定

DARPA taps Northrop Grumman for Oblique Flying Wing program

The Defense Advanced Research Projects Agency (DARPA) has chosen Northrop Grumman to design an experimental supersonic

flying wing aircraft capable of varying the sweep of its wing ...

国防総省はアフリカの IT ネットに着目

Pentagon office eyes IT network for Africa

The Pentagon is looking at providing countries in Africa with an interconnected IT network that will help them with maritime

domain awareness, according to a senior Pentagon ...

NOAA はレイセオンと 6 カ月の統合海洋観測システムの設計と価格見積りの契約を行なう

NOAA awards Raytheon six-month study contract

The National Oceanic and Atmospheric Administration (NOAA) has awarded Raytheon a six-month study contract to develop

conceptual designs and total cost estimates for the Integrated Ocean Observing ...

CNES は ESA 欧州宇宙機関向けに AlphaBus の開発を行なう予定

CNES to develop AlphaBus for ESA

NEW BUS: France's space agency CNES will develop the 6-8 metric ton AlphaBus very large satellite platform, providing 12-18

kilowatts of power, for the European Space Agency ...

インドはロシアの Glonass 衛星を打上げる計画

India to launch Russian Glonass spacecraft

INDIAN LAUNCH: India will work with Russia to develop a new generation of Glonass navigation satellites and launch them on its

Geosynchronous Satellite Launch Vehicle (GSLV) under ...

2006年3月28日 18:22 WIRED NEWS (2006/03/28)

自律航行可能な無人潜水艇「タリスマン」

<http://hotwired.goo.ne.jp/news/20060328304.html>

自律航行が可能な無人潜水艇「タリスマン」がロンドンの「国際海洋調査機器展 2006」に出展された。無線やイリジウム衛星を通じ

て制御され、その場で 360 度回転するといった機動力も備えている。数年以内に商用化されるかもしれない。

2006年3月28日 18:22 WIRED NEWS (2006/03/28)

分散コンピューティングで地球温暖化のモデルを検証

<http://hotwired.goo.ne.jp/news/20060328302.html>

地球の平均気温が摂氏温度で 11 度も上昇する可能性に触れた論文で、1 年前に科学界を震撼させた分散コンピューティングプロジェクトが、新たな協力者数千人を求めている。協力者のコンピ

ュータの未使用リソースを使って膨大な量のデータを処理し、最も予測精度の高い気候モデルを見つけ出す試みで、現在 20 万人近くが参加。

2006年3月27日 18:05 WIRED NEWS (2006/03/27)

スペースX社「ファルコン 1」の初打上げ、火災で失敗

<http://hotwired.goo.ne.jp/news/20060327301.html>

米スペースX社のロケット「ファルコン 1」の初打上げが、燃料漏れによる火災が原因で、発射から数十秒で失敗に終わったことが明らかになった。ファルコン 1 はケロシンと液体酸素を組み合わせ

燃料とする低価格の 2 段式ロケットで、第 1 段はパラシュートで海上に落下し、回収して再利用できる設計になっている。

【国際関係・一般】

イラン 多弾頭ミサイル実験「成功」

産経新聞 06年04月01日 朝刊 7面 2段 0886

イラン 新型ミサイル試射 国営テレビが報道

毎日新聞 06年04月01日 朝刊 11面 3段 0531

EU ロシアのWTO加盟不支持も 上空通過料で警告

フジサンケイビジネスアイ 06年04月03日 朝刊 11面 2段 2266

EU ロシアの上空通過料に圧力 維持ならWTO加盟不支持

毎日新聞 06年04月02日 朝刊 7面 3段 1592

インド 出生前性別検査ノー 医師らに初の懲役判決 結婚持参金嫌い、女児の中絶多発

朝日新聞 06年04月03日 朝刊 4面 3段 1380

米通商代表部指摘 貿易障壁報告で 牛肉問題は最重点

読売新聞 06年04月01日 朝刊 9面 1段 0450

異議あり匿名社会 = 個人情報保護法1年 「法改正必要」の指摘も 国会議員、識者アンケート

読売新聞 06年04月01日 朝刊 33面 3段 表 0472

中国弾道ミサイル 「台湾照準を増加」 820発に

東京新聞 06年03月30日 朝刊 6面 1段 1628

[宇宙・航空・科学]

NASA、中国などの宇宙開発計画調査

フジサンケイビジネスアイ 06年04月01日 朝刊 11面 1段 1114

準天頂衛星 09年度に1基目 官のみで実施

毎日新聞 06年04月01日 朝刊 2面 2段 0509

次世代型航空機部品供給ネットワーク 全国で人的交流本格化 航空宇宙産業参入へ

日刊工業新聞 06年04月03日 朝刊 29面 5段 0171

宇宙開発発祥の碑を除幕

産経新聞 06年04月02日 朝刊 29面 1段 1965

JAXA 国産宇宙服開発へ 産業界に参画促す 幅広い高度技術を結集

日刊工業新聞 06年03月30日 朝刊 1面 5段 写図 0001

ことば = 国際宇宙ステーション

日刊工業新聞 06年03月30日 朝刊 3面 1段 0025

[宇宙利用・宇宙からの観測・宇宙環境利用・宇宙実験]

ホンダ、カーナビ向け情報 インターネットで無料公開 グーグルの衛星画像利用

日経産業新聞(日経テレコン21) 06年04月03日 朝刊 14面 2段 写 2510

橿円銀河の「生い立ち」解明 「地球シミュレータ」で進化過程を立証

産経新聞 06年04月03日 朝刊 13面 3段 写 2029

NASA 小惑星探査再開へ 太陽系の謎探る

フジサンケイビジネスアイ 06年03月30日 朝刊 31面 2段 1811

専修大と筑波大 橿円銀河の進化解明 ライマン 放射体が“祖先”

日刊工業新聞 06年03月30日 朝刊 35面 3段 写 0184

関東で「火球」目撃相次ぐ

毎日新聞 06年03月30日 朝刊 31面 1段 1284

KDDI 衛星利用の車載基地局導入 災害時も携帯使えます

フジサンケイビジネスアイ 06年03月30日 朝刊 5面 4段 1701

[防災・環境・資源・エネルギー・リスクマネジメント]

地球の生態系どれくらい踏みつけた？ “足跡”指標に環境施策 各国で実用化の動き 持続可能な社会一目で

東京新聞 06年04月03日 朝刊 8面 7段 写図 2150

東海地震特集 備える＝その44 「震災教育」 舞子高校 体験記や泊まり込み実習 「あの日」の教訓残す

中日新聞 06年04月01日 朝刊 35面 6段 写 1177

ボーイングに事故調が勧告 ジャンボ機電線燃焼 金具取り付けに問題

産経新聞 06年04月01日 朝刊 30面 2段 0949

ペイントショー特集 「環境対応」の取組み加速 「ユーザに選ばれる塗料」めざして

化学工業日報 06年04月03日 朝刊 16面 9段 写 0380

医療機器販売会社「ウイン・インターナショナル」 患者7960人分の個人情報入りPC紛失

毎日新聞 06年04月01日 朝刊 30面 2段 0604

国交省 LCEM手法確立、試行 省エネ性能を分析、評価 温室効果ガス削減へ改善

建設通信新聞 06年03月30日 朝刊 1面 3段 0544

国交省 官庁施設の省エネ性能評価 LCEM手法を導入

日刊建設工業新聞 06年03月30日 朝刊 2面 4段 0624

[技術・産業]

ファナック 知能ロボ5年ぶり一新し発売 動作時間15%短縮

日刊工業新聞 06年04月03日 朝刊 7面 2段 写 0051

技あり＝自転車乗りロボット 倒れずに平均台でバックも

朝日新聞 06年04月02日 朝刊 205面 5段 写 1356

旬発力＝東工大ロボット技術研究会 mikan ルーカス魅了した「妖精」

産経新聞 06年04月01日 朝刊 22面 6段 写 0918

フルーエント・アジアパシフィック 流体解析 燃料電池分野に展開 内部の物理現象を可視化

化学工業日報 06年04月03日 朝刊 10面 5段 0343

革新生むか量子ビーム(下) = 活躍の場、広く深く 次世代半導体から医療まで モノ作りの切り札に

日本経済新聞 06年04月03日 朝刊 25面 4段 写 1872

哺乳類の体内時計「朝スイッチ」が鍵 リズム障害治療の探索に期待

産経新聞 06年04月03日 朝刊 13面 6段 写図 2028

慶大が新技術開発 血液の酸素運搬能力2倍 一酸化窒素を赤血球に付加

日経産業新聞(日経テレコン21) 06年04月03日 朝刊 10面 4段 図 2473

モノづくり 支える 第3回部品大賞 = 機械分野 日立ツール 新しいマーケット創造

日刊工業新聞 06年03月30日 朝刊 8面 4段 写 0046

NEC、ハイパフォーマンスコンピューティング分野強化 北陸先端大にスパコン納入

日刊工業新聞 06年03月30日 朝刊 10面 4段 写 0053

民生用スイッチ各社 デジタル家電用など強化 成長市場に注目 強気な06年度事業計画

電波新聞 06年03月30日 朝刊 1面 5段 表 0209

オムロンがアンテナ技術開発 無線ICタグ 通信の空白域を抑制

日経産業新聞(日経テレコン21) 06年03月30日 朝刊 9面 3段 2146

JSAT 海洋ブロードバンド向け 船舶用衛星受信アンテナ販売 「JoySAT」ブランドで

日本海事新聞 06年03月30日 朝刊 3面 4段 0762

新日化カーボン CB設備の定修効率化 反応炉内の耐火物 MW利用し迅速乾燥

化学工業日報 06年03月30日 朝刊 1面 4段 0309

[通信・放送・IT・セキュリティ]

通信機器米仏2社合併へ アルカテルと米ルーセント・テクノロジーズ合意 売上高3兆円企業に

日本経済新聞 06年04月03日 朝刊 7面 5段 写 1829

仏アルカテルが通信網の構築・拡張で 中国移動通信の子会社から受注

電波新聞 06年04月03日 朝刊 2面 1段 0210

三洋電機 デジタルコードレス電話機発売 ノイズを低減 盗聴防止機能を搭載

電波新聞 06年03月30日 朝刊 13面 2段 写 0299

三洋電機 盗聴防止機能付きコードレス電話機発売

日刊工業新聞 06年03月30日 朝刊 11面 1段 写 0067

スカパーとNTT東西 光回線で多チャンネル放送 戸建て向けに販売

日経産業新聞(日経テレコン21) 06年03月30日 朝刊 7面 3段 2134

ジー・エフ 韓国社と提携 ソフト発売 パソコン遠隔操作 ブラウザ利用

日経産業新聞(日経テレコン21) 06年03月30日 朝刊 27面 4段 写 2197

checkUP 出足快調! ? = FYT JR秋葉原駅前のゴルフ練習場電子化と「手ぶら」で集客

日経産業新聞(日経テレコン21) 06年03月30日 朝刊 5面 2段 写 2129

[経営・人]

中国 燃料高騰で航空会社ピンチ

フジサンケイビジネスアイ 06年04月03日 朝刊 12面 1段 2274

談話室 = 前田建設工業 大竹弘孝さん ITで小売業者を支援

日経産業新聞(日経テレコン21) 06年04月03日 朝刊 19面 1段 写 2552

論点 = どこまで必要地方空港 山内弘隆 石川嘉延 堀高明

毎日新聞 06年04月01日 朝刊 7面 4段 写 0524

富士重工 航空宇宙カンパニー数年内めどに 年商1000億円到達へ

日刊自動車新聞 06年03月30日 朝刊 2面 2段 0454

新日本製鉄・住友金属工業・神戸製鋼所共同で買収防衛策 鉄鋼世界的再編に「防御」 事前警告型を検討

日本経済新聞 06年03月30日 朝刊 3面 5段 写図表 1307

新日本製鉄、住友金属工業、神戸製鋼所 敵対的買収、共同で防衛 覚書締結 対抗策検討急ぐ

鉄鋼新聞 06年03月30日 朝刊 1面 5段 写 0514

新日本製鉄、住友金属工業、神戸製鋼所3社が検討 敵対的買収に共同で防衛策

建設通信新聞 06年03月30日 朝刊 2面 1段 0547

新日本製鉄、住友金属工業、神戸製鋼所が覚書 買収防衛策共同で検討

日刊工業新聞 06年03月30日 朝刊 39面 4段 写表 0192

鉄鋼3社、共同買収防衛策 「外資へ対抗」強まる危機感 正式発表 「新会社法」施行、背景に

東京新聞 06年03月30日 朝刊 8面 4段 1634

社説 = 鉄鋼買収防衛 「攻撃は最大の防御」でもある

日刊工業新聞 06年03月30日 朝刊 3面 4段 0022

ラスプーチンと呼ばれた男 佐藤優の地球を斬る(11) = インテリジェンス能力

フジサンケイビジネスアイ 06年03月30日 朝刊 24面 6段 写 1802

[航空輸送・エアライン]

スカイマークエアラインズと日本航空 羽田 - 神戸線 共同運航打ち切り 5月末に

日経産業新聞(日経テレコン21) 06年04月03日 朝刊 21面 2段 2560

スカイマークエアラインズと日本航空 神戸線共同運航5月末打ち切り

日本経済新聞 06年04月01日 朝刊 10面 2段 0702

日本航空とスカイマークエアラインズ 神戸線 共同運航は2カ月 サービス差ありすぎ

朝日新聞 06年04月01日 朝刊 13面 3段 0315

フィリピン 格安航空運賃「1ペソ」戦争

東京新聞 06年04月01日 朝刊 7面 2段 0982

フィンランド航空、エアバス12機購入

フジサンケイビジネスアイ 06年04月01日 朝刊 11面 1段 1115

JAL 世界一周運賃を発売 値ごろ感を前面に

週刊観光経済新聞 06年04月01日 朝刊 7面 2段 0096

羽田空港発着枠訴訟 スカイマークエアラインズは控訴しない方針

北海道新聞 06年03月29日 朝刊 38面 1段 1881

[民間航空機関連 (ex-SJAC 三輪さん)]

2006年4月4日 1:05 AIA dailyLead April 3, 2006 -

「人間は繰り返しの結果である。したがって卓越も習慣以外ではありえない。」

"We are what we repeatedly do. Excellence, therefore, is not an act but a habit."

--Aristotle, Greek philosopher

2006年4月1日 1:25 AIA dailyLead March 31, 2006 -

「人は、与えられたもので何をするかではなく、持っているものをいかに活かすかによって、他の人と差がでる。」

ネルソン・マンデラ - ノーベル平和賞受賞者

"It is what we make of what we have, not what we are given, that separates one person from another."

--Nelson Mandela, winner of the Nobel Peace Prize

2006年3月31日 2:39 AIA dailyLead March 30, 2006 -

「問題は、全てのシュートをブロックする事じゃない。相手に、シュートがすべてブロックされると、思わせる事がポイントだ。」

ビル ラッセル:有名バスケットボール・プレーヤ

"The idea is not to block every shot. The idea is to make your opponent believe that you might block every shot."

--Bill Russell, basketball legend

2006年3月30日 2:08 AIA dailyLead March 29, 2006 -

「(素晴らしいと評される)私の語法については何も語るべきでない。」

"Drawing on my fine command of the language, I said nothing."

--Robert Benchley, American humorist, newspaper columnist

2006年4月4日 1:05 AIA dailyLead April 3, 2006 -

C-5 着陸失敗墜落事故(ドーバー空軍基地)

C-5 cargo plane crashes at Dover Air Base

An Air Force C-5 Galaxy, the largest aircraft in the U.S. military inventory, crashed Monday while trying to make an emergency landing near Dover Air Force

Base in Delaware. No one was killed in the accident, but several aboard were injured. [CNN](#) (4/3), [CBS/Associated Press](#) (4/3)

シコルスキー組合スト終結

Sikorsky workers approve contract, end strike

Workers approved a new contract with [Sikorsky Aircraft](#), ending a six-week strike. The three-year contract is similar to one previously rejected and calls for 3.5% annual pay raises. [The Wall Street](#)

[Journal/Associated Press](#) (subscription required) (4/2), [Fort Worth Star-Telegram \(Texas\)/Associated Press](#) (4/3)

欧米間(政府助成金をめぐる)WTO問題依然合意のめど立たず

Officials do not expect resolution in subsidy dispute

U.S. trade officials said the U.S. and EU are not likely to reach an agreement in a dispute over aircraft subsidies. The officials said the case filed with the

[World Trade Organization](#) will move forward. [The Washington Post/Reuters](#) (3/31)

アメリカン航空 シカゴー上海便開設

American launches Chicago-Shanghai service

[American Airlines](#) launched service between Chicago and Shanghai on Sunday. Regulators in the next few months will decide which airline will get more flights to China, American Senior Vice President of Planning Henry Joyner said. American will

"compete aggressively" for the new frequencies, Joyner added. [The Dallas Morning News](#) (4/3), [USA TODAY](#) (4/3), [Fort Worth Star-Telegram \(Texas\)](#) (4/3), [Fort Worth Star-Telegram \(Texas\)](#) (4/3)

ウィチタ州立大学調査では、エアラインのサービスへの苦情高まる

Airline customer service suffers, study finds

Complaints about airline service are increasing as the number of people traveling grows, according to a Wichita State University study. Air Transport Association spokesman David Castelveter says carriers are making efforts to improve customer service by adding ticketing kiosks and including flight

delay information on their Web sites. "They're trying their best," Castelveter says. "They're taking advantage of technology to make the airport experience more pleasant." [ABCNEWS](#) (4/3), [The Washington Times/Associated Press](#) (4/3)

エミレーツがエアバス A340-600 発注を延期

Emirates delays order for Airbus jetliners

Emirates has postponed an **Airbus** order for 20 planes for a few years. The Arab airline wants to give Airbus time to develop a better version of the

A340-600. The order is worth \$4.2 billion. The A340-600 has lost ground to **Boeing's** 777-300. [The Seattle Times/Bloomberg](#) (3/31)

米国交通安全委員会 NTSB はボンバルディア機のcockpit改修を命ずる

NTSB issues recommendations for Bombardier cockpits

The National Transportation Safety Board recommended changes to prevent the loss of electronic cockpit displays in some Bombardier

regional jets. The planes have experienced six fires in the past six months. [The Wall Street Journal](#) (3/30)

コラム：旅客者は大型機に優先権を望んでいる

エアタクシーなどの登場で予想されるさらなる空港混雑緩和のためには乗客の数で離陸順を決めるべきという意見もある

Column: Travelers suggest giving large jets priority

Some travelers are suggesting large jetliners should have priority over small planes at airports, The Wall Street Journal's Scott McCartney writes. A study recently found that air taxis may cause congestion at

some large commercial airports. One traveler suggested prioritizing takeoffs by passenger count. [The Wall Street Journal](#) (3/31)

航空機リース会社の警告：航空会社にこれ以上の譲歩は考えられないと

Leasing companies warn airlines not to expect discounts

Legacy airlines should not expect discounts or bailouts in the future, three aircraft leasing companies said. ILFC CEO Steven Udvar-Hazy said U.S. carriers don't want to pay security deposits or

overhaul reserves on leased planes. "During the last five years, we had a situation where the large U.S. legacy carriers were very arrogant," Udvar-Hazy added. [Aviation Daily](#) (3/30)

ロッキード社ミサイル打上げ基地の地面に浸み込んだ有害物質除去

Lockheed says soil around plant must be removed

Lockheed Martin believes 15,000 cubic yards of soil surrounding a missile and parts plant in Middle River, Md., must be removed because "hot spots" on the site are tainted with petroleum compounds, toxic

metals and polychlorinated biphenyls. Officials said the removal could be completed in one or two years. [The Sun \(Baltimore\)](#) (3/30)

GE 航空がボーイング 737 を 60 機発注

GE Commercial orders up to 60 Boeing 737s

GE Commercial Aviation Services placed a firm order for 30 **Boeing** 737s. The company also took an

option to purchase 30 additional planes. The agreement is worth \$4 billion, based on list

prices. [The Wall Street Journal](#) (3/30), [The New York Times/Associated Press](#) (3/29), [Air Transport World](#) (3/30)

ボンバルディア社ビジネス機好調で、Q4 期業績改善

Bombardier posts higher Q4 profit

Strong demand for business jets boosted [Bombardier Aerospace's](#) fourth-quarter profit. The company reported EBIT of \$107 million, up from \$85 million a year ago. [Air Transport World](#) (3/30)

ハイテク・ファスナーの登場で機内備品着脱方式が改善

Intelligent fasteners may make their way to airplanes

High-tech bolts and latches could eventually be used in airplanes, allowing crews to quickly change interiors. The fasteners, which operate without being touched, could also make maintenance more efficient, experts say. [Chicago Tribune](#) (3/30)

パイロット無しの民間機の登場も夢でない

F A A 代表が議会の公聴会で発言

Pilotless planes may have many uses, experts say

The use of pilotless aircraft may increase soon. The military now uses unmanned planes, but some observers think the aircraft also have commercial applications. "The development and use of unmanned aircraft is the next great step forward in the evolution of aviation," Nick Sabatini, the Federal Aviation Administration's associate administrator for aviation safety, told the House aviation subcommittee. [MSNBC/Associated Press](#) (3/29)

宇宙飛行士たち(米・ロシア・ブラジル)がISSへ向かう準備に

Crew sets out for International Space Station

A crew including an American, Russian and Brazilian is on its way to the International Space Station. The Russian Soyuz rocket is expected to reach the station Friday. [Florida Today \(Melbourne\)](#) (3/30)

2006年3月30日 2:08 AIA dailyLead March 29, 2006 -

Halliburton overcharged for Iraq contract, documents show

Internal government documents show [Halliburton](#) consistently overcharged the government for a contract to restore oil services in Iraq. Documents also show U.S. officials were concerned about the quality of the company's work. Halliburton said the report lacks context and questioned its conclusions. "This partisan 'report' is as devoid of context as it is new information," Halliburton said in a written statement. [The Wall Street Journal](#) (3/29), [The Washington Post](#) (3/29)

ボーイング787の受注 2006年も堅調と予想

Boeing expects another "phenomenal" year for 787

[Boeing](#) expects continued strong demand for its 787 jetliners. So far, Boeing has sold 386 787s to 28 customers. [Air Transport World](#) (3/29)

エアバス A350 の設計変更を要求する声が客先から

Airplane buyer urges Airbus to redesign A350

Airbus should redesign the A350 because the current plane will sell poorly, International Lease Finance Corp. Chief Executive Steven Udvar-Hazy said.

Without an overhaul of the A350, **Boeing** will dominate the midsize wide-body segment of the market, he said. [The Seattle Times](#) (3/29)

論評：オヘア空港のニアミス事例を警告として、空港運営に検討が必要である

Column: Close calls at O'Hare send a message

The large volume of traffic at Chicago's O'Hare International Airport, combined with its straight, intersecting runways presents a threat of collision, ABC's John Nance writes. Two close calls at the

airport last week indicate airport officials should consider changing the way takeoffs and landings are handled, Nance says. [ABCNEWS](#) (3/28)

2006年3月28日 10:02 Hotwired

白田秀彰の「インターネットの法と慣習」 最終回 現実 2.0

<http://hotwired.goo.ne.jp/original/shirata/060328/index.html>

私たちが現実だと思っていることは、かなりの程度私たちの思い込みによって構成されている。権威や権力によって社会的に強制されている「思い込み」が広い意味での「制度」というもの。ところが、権威や権力もまた制度であるがゆえ、結果的にすべては「思い込

み」であることになる。情報流通経路やメディアを操作し、ある「思い込み」を設定していくことで、現実は次第に変わっていく。社会は、ハックできる。