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The brainLight relaxation systems reach the brain with Alpha and Theta frequencies (4-12 Hz). Both frequency patterns cause only mental and bodily relaxation and signal a better integration of body and mind, coupled with improved creativity. The brainLight Mental System is the basis for improved concentration capabilities which were only attainable through studied mental techniques such as yoga or autogene training. The brainLight deep relaxation programmes offer:

- improved concentration,
- health stability,
- immediate stress relief,
- improved learning capacity.

"Relaxation: ...

What happens when we relax? We let go: From the stress of everyday life, fear and worry. Through relaxation we attempt to change our reality. After relaxation our environment is more peaceful, caring and gentle. We find a deep accession to the area that is our real self, a deep accession to love. The depth to which we take this love from the state of relaxation into reality can be governed by ourselves."

What has the wisdom of Eastern monks, as mentioned above, to do with a company that alone in the last 3 years has enjoyed a growth factor of over 210% and thereby turned a Western dream into reality? The brainLight GmbH company, located in Goldbach offers a synthesis of the above relaxation philosophy through its High-Tech-Mental Systems. As the Managing Directors of brainLight GmbH, Jochen Hufgard and Ursula Sauer, first established the company on the European market for relaxation and learning systems, offering the Brain Machines (systems that, at the time, were only known within the USA), they were received with a great deal of scepticism.

However, since then the success of this impressive method, a holiday from reality, can no longer be denied and its effectiveness has been scientifically proven beyond doubt.

The "brainLight Synchrons" are one of the world's most sought after optical-acoustic relaxation systems. All "brainLight Synchrons" - models are controlled through a highly developed computer that sends optical and acoustic signals in stimulating sequences to the brain. These signals are transmitted through headphones as well as special relaxation glasses. The company can offer a range of individually selectable programmes as well as the option for a totally per-

sonal free-hand control of the impulses. The operation of the "brainLight Synchrons"-models is simple and the mobility of the equipment allows it to be used wherever it may be required.

From the deep relaxation mode, where one can forget the worries of everyday life and find one's self to the mental training for the activation of new and improved vitality to the specific aims of a so-oriented programme (i.e. stop smoking, learn a language, sales training), in all areas, brainLight follows the motto of Jean Paul Satres "Unwind yourself towards a goal". Aside from the various brainLight-Synchrons models, the company offers a comprehensive choice of cassettes, CDs and videos. Further-



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more, the innovative production programme is supported through seminars and training units for the various target groups. Whether it be as a stress-troubled manager on a cruise ship or as an active holiday maker in one of the Aldiana Holiday Clubs (NUR-Tourism), everyone can profit from the brainLight power and life principle "Let the soul swing free".

The brainLight System is constantly being improved through the company's own development departments in the USA and Europe.

The marketing of the company's products is effected through a selected network of retailers as well as through direct sales and cooperation activities with holiday clubs. brainLight is presently seeking foreign marketing partners that can display the healthy infrastructure that the brainLight success concept requires - the synthesis of western high-tech and eastern vision. After all, nothing is as real as strong vision. #SC

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Computer system for 24-hour global wholesale banking

A British company has developed what is said to be the only globally supported computer software for the client-server architecture, which provides comprehensive 24-hour trading and processing for all aspects of wholesale banking.

Forex Advisory Services has launched Bankwide, an Open-Systems-based back-office system to offer accounting and settlement support for: treasury; securities; swaps; futures and options; certificates of deposits; commercial lending; retail; trade finance and reporting.

The system is said to be the only product on the market with an intuitive graphical user interface (GUI). Operating on Open Systems platforms, it is therefore, independent of hardware supplier. It is written using one of the latest 4th-generation computer languages - Informix OnLine - which

is very easy to operate.

The system has been developed in conjunction with a consortium of financial institutions and combines the expertise of a number of leading financial controllers and operations managers from the world's financial centres with the company's own knowledge of dealing-room operation. The software is equally suitable for a large operation with a central data server and satellites or can be scaled down for a single user - from head office to the smallest branch.

Security is a major feature, and the system is protected against unauthorised access at several different levels; it is the system to have gained the BI Certificate for security standards. It also offers full online backup and archiving which can be implemented incrementally. Automatic database recovery is a standard feature.

Forex has developed Bankwide as a complement its dealing-room software, Integrated Dealer Support System (IDSS), already installed in 36 financial centres worldwide.

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Continued production in Saxonia

The amalgamation of the metal works in the Saxonian town of Aue with the Vereinigte Deutsche Nickelwerke AG in Düsseldorf (United German Nickel Works) ensures the production in the former state-owned east German plant. The factory and processing plant in Aue will primarily be responsible for the production of bimetal semifinished products for thermal control elements.

Students create 3-D video terminal

It sounds like utopia, however, a group of students and alumni under the guidance of their instructor of physics, Knut Langhans, of the Vincent-Lübeck-Gymnasium in Stade, Germany, has developed a TV tube to display graphics in a three-dimensional mode. Furthermore, the picture can be rotated in space and zoomed in and out for varying sizes.

A comparable project is pursued by the US electronic giant "Texas Instruments". The group in Stade started its project in 1983 and is certain to be ahead of its industrial competitor in the USA. The operating principle is unique and simple. A spirally wound surface is the heart of the display unit. It rotates at rather high

speed within a vertically oriented glass cylinder. Two laser units are housed in a cabinet below the cylinder, projecting a red and green beam each on the rotating screw plane. The high rotational speed of roughly 1000 rpm renders the screw itself invisible to the human eye; we only perceive the projected laser light.

Viewers can walk around the screen and look at the projected full space image from any perspective without the need of 3-D spectacles. The laser beams are directed through a computer. The appropriate programme is also a brainchild of the group of students and alumni.

Possible uses are manifold. Air traffic control systems could

strongly benefit from a realistic presentation of moving aircraft, research and development would be able to present molecular structures, medicine could utilize computer tomography to assembly individual shots into 3-D views. The group continues to improve the current design which utilizes line images rather than point matrix structures, however, Knut Langhans and his enthusiastic team are on their way to tackle this problem, too. In the meantime, several studies by post graduate students (alumni from Stade, of course) have centred around the very same subject, dealing with individual aspects of this 3-D project.