

PERSONAL EXPLANATION

HON. JOHN LEWIS

OF GEORGIA

IN THE HOUSE OF REPRESENTATIVES

Tuesday, May 24, 2005

Mr. LEWIS of Georgia. Mr. Speaker, I was unable to cast rollcall votes No. 176 through 199 on May 17 through 19, 2005 because I was attending to a personal matter. Had I been present I would have cast the following votes: On rollcall No. 176, I would have voted "yes"; On rollcall No. 177, I would have voted "no"; On rollcall No. 178, I would have voted "yes"; On rollcall No. 179, I would have voted "yes"; On rollcall No. 180, I would have voted "yes"; On rollcall No. 181, I would have voted "no"; On rollcall No. 182, I would have voted "no"; On rollcall No. 183, I would have voted "yes"; On rollcall No. 184, I would have voted "yes"; On rollcall No. 185, I would have voted "no"; On rollcall No. 186, I would have voted "yes"; On rollcall No. 187, I would have voted "yes"; On rollcall No. 188, I would have voted "yes"; On rollcall No. 189, I would have voted "yes"; On rollcall No. 190, I would have voted "no"; On rollcall No. 191, I would have voted "no"; On rollcall No. 192, I would have voted "no"; On rollcall No. 193, I would have voted "no"; On rollcall No. 194, I would have voted "yes"; On rollcall No. 195, I would have voted "no"; On rollcall No. 196, I would have voted

"yes"; On rollcall No. 197, I would have voted "no"; On rollcall No. 198, I would have voted "yes"; On rollcall No. 199, I would have voted "no."

HONORING DR. RAJIV RANJAN

HON. ZOE LOFGREN

OF CALIFORNIA

IN THE HOUSE OF REPRESENTATIVES

Tuesday, May 24, 2005

Ms. ZOE LOFGREN of California. Mr. Speaker, I rise to recognize the achievements of Dr. Rajiv Ranjan and would like to honor his extraordinary contributions and pioneering research work in the field of magnetic recording, which have led to a number of technological breakthroughs.

Dr. Ranjan has led the effort in the next generation of perpendicular media technology that is destined for the market place in the near future. His focus is in the field of low noise media. Prior to the mid-1980s, industry recorded information on oxide media. These media had limitations to attaining high areal density (recording density per unit area). One proposed alternative was sputtered thin-film media, but the media had high-levels of media noise. Rajiv, along with his team, demonstrated low-noise possibilities for thin film media.

This work led to an industry-wide transition to sputtered thin-media. These low-noise media led to a tremendous increase in areal density and resulted in lower cost data storage products, followed by a wider usage in the personal computers. These products are now being incorporated into consumer electronic products, such as MP3 players, PDA, cell-phones and more.

Another of his key inventions is laser texturing of a selective area of the disc surface. This enabled the recording head to fly closer to the medium surface and enabled increased areal density. This also enabled a faster take-off of the head and reliable landing of the head during power on/off. The net result is higher areal density and a more reliable and safer drive. Over a billion disc-drives have been sold with laser-textured media.

Rajiv holds over 54 U.S. patents, many of them currently used in data-storage products.

Dr. Rajiv Ranjan has devoted his life to enrich and advance society through technology, and his contribution deserves to be honored to serve as an inspiration.

I am proud that Dr. Rajiv Ranjan lives in the 16th Congressional District where he is an active and respected member of his community as well as an admired scientist. Please join me, Mr. Speaker, in offering our congratulations for his success and our admiration for his leadership both in technology and the arts, but also in his family and community.