

Thomas M. Coughlin, 2/5/01, BIBLIOGRAPHY:

Storage Area Networks—SAN 2001 Report, F. Neema, T. Coughlin, D. Waid, February 2001

New Markets for Storage Products, T. Coughlin, Presentation at IDEMA Novel Storage Technologies and Application Symposium, February 2001.

New Storage Products and Markets, T. Coughlin, Presentation at Pennwell Head/Media Symposium, November 2000.

Fibre Channel HBAs, hubs, and switches, T. Coughlin, F. Neema, and D. Waid, InfoStor, Vol. 4, No. 11, November 2000.

New Directions in Storage Technology and Applications, IDEMA Analyst's Assessment, May 24, 2000.

2000 Computer Peripheral Test/Process Equipment Report, with Dennis Waid of Peripheral Research Corporation.

2000 New Applications for Data Storage, A Market and Technology Report, with Dennis Waid of Peripheral Research Corporation.

Such Stuff as Dreams are Stored On, T. M. Coughlin, Data Storage, March 2000, pp. 24-32.

The Effect of Lubricant Thickness on Head Contamination Susceptibility, G. Vazirani, T. M. Coughlin and D. Oot, presented at ISPS Conference, 1999.

Effective Permeability of Soft Magnetic Layers Adjacent to Recorded Media, J. E. Monson and T. M. Coughlin, presented at InterMag 1999.

1999 Computer Peripheral Test/Process Equipment Report, with Dennis Waid of Peripheral Research Corporation.

1999 New Applications for Data Storage, A Market and Technology Report, with Dennis Waid of Peripheral Research Corporation.

On the Thermal Decay of Magnetization in the presence of Demagnetizing Field and a Soft Magnetic Layer, R. Wood, J. Monson, T. Coughlin, Jour. Magn. and Mag. Matls. 193 (1999), pp. 207-212.

Comparison of Time-Decay of Read-back Signals in Kepered and Non-Kepered Media, J. Chen, J. H. Judy and T. M. Coughlin, IEEE Trans. Magn. 34 (1999), pp. 1624-1626.

Magnetic tape equipment, T. M. Coughlin and D. H. Davies, article for The Encyclopedia of Electrical and Electronics Engineering, 1999.

1998 Computer Peripheral Test/Process Equipment Report, with Dennis Waid of Peripheral Research Corporation.

Under-Kepered Media with MR Heads, M. Nichols, B. M. Lairson, T. M. Coughlin, B. Gooch, J. Kehl, J. Perez, IEEE Trans. Magn. 34, (1998), pp. 1152-1154.

Recording Physics of Kepered Inductive Media, E. T. Yen, H. J. Richter, G. L. Chen, G. Rauch, T. M. Coughlin, IEEE Trans. Magn. 34 (1998), pp. 1555-1557.

Sputtering Update: On the Road to GMR, T. Coughlin, Data Storage, May 1998, pp. 21-24.

Kepered Media Quieter, T. Coughlin, Data Storage, Nov./Dec. 1997, p. 24.

Kepered Media slow Thermal Decay of Data, T. Coughlin, Data Storage, May/June 1997, pp. 10-12.

Kepered Media Recording: super-resolution for magnetic recording, R. Wood, T. Coughlin, J. Monson, J. Magnetics Soc. Japan, Vol. 21, Supplement S2 (1997).

Read-Back Nonlinearity in Longitudinal Kepered Recording, B. A. Wilson, S. X. Wang and T. M. Coughlin, IEEE Trans. Magn. 33 (1997).

Experimental Study of Recording Performance of Sendust and CoZrNb Kepered Thin Film Media, J. Chen, X. Lin, J-G Zhu, J. H. Judy and T. M. Coughlin, IEEE T-Mag, Vol. 33, No. 5, Sept. 1997, pp. 3040-42.

The Effects of Sendust Keeper Thickness, Cr Break-layer Thickness and Reproduce Bias on Kepered Media Performance and Pulse Asymmetry, B. Lal, M. Alex, C. Sordello and T. M. Coughlin, IEEE T-Mag, Vol. 33, No. 5, Sept. 1997, pp. 3037-39.

Magnetic Recording Performance of Kepered Media, T. M. Coughlin, Y. S. Tang, E. M. T. Velu and B. Lairson, J. Appl. Phys. 81(8), April 15, 1997, pp. 4693-95.

High Density Recording with Kepered Media and Planar Heads, T. M. Coughlin, J. R. Hoinville, B. R. Gooch, W. G. Haines and A. Payne, J. Appl. Phys. 81(8), April 15, 1997, pp. 4843-45.

Kepered Media add more Byte to Magnetic Recording Heads, T. Coughlin, B. Gooch and B. Lairson, Data Storage, Oct. 1996, pp.

Design Trends in Head/Gimbal Assemblies for Hard-Disk Drives, T. Coughlin, D. Miu, Data Storage, May/June 1995, pp. 23-31.

The Future of Disk Magnetic Recording, T. M. Coughlin, invited paper at MAGEL'94 conference in Japan Nov. 1994.

Designing Media with Alternative Substrate Materials, E. Teng, A. Eltouhky, T. Coughlin, Data Storage, September 1994, pp. 35-40.

Magnetometry and Recording on Very High Coercivity Cobalt Alloy Disk Media, T. Coughlin, N. Viswanathan, D. Speliotis, IEEE Transactions on Magnetics, Vol. 27, No. 6, November 1991, pp. 5034-36.

Texture Optimization on Circumferentially Textured Disk Surface for Contact Start/Stop Performance, N. Viswanathan, T. Coughlin, Adv. Info. Storage Syst, Vol. 3, 1991 (ASME/STLE Tribology Conference 1991).

Effect of Chromium Underlayer Thickness on Recording Characteristics of CoCrTa Longitudinal Recording Media, J. L. Pressesky, S. Y. Lee, N. Heiman, D. Williams, T. Coughlin, D. Speliotis, IEEE Transactions on Magnetics, Vol. 26, No. 5, Sept. 1990, pp. 1596-98.

Effects of Cr Underlayer Thickness and Texture on Magnetic Characteristics of CoCrTa Media, T. Coughlin, J. Pressesky, S. Lee, N. Heiman, R. D. Fisher, J. Appl. Phys. 67(9), May 1, 1990, pp 4689-91.

Three-dimensional Finite-Element Analysis of Recording Heads, D. A. Lowther, T. M. Coughlin, J. Appl. Phys. 63(8), April 15, 1988, pp 3375-77.

Sendust Films for High Temperature Processing, T. M. Coughlin, IEEE Transactions on Magnetics, Vol. MAG-21, No. 5, September 1985, pp 1897-99.

Improved Single Sided Perpendicular Recording Write Head, T. M. Coughlin, presented at 1984 InterMag.

Nitrogen-induced FCC Phase in RF Sputtered Co-Cr Films having the HCP phase and Perpendicular Magnetic Anisotropy, T. M. Coughlin, J. Vac. Sci. Tech., 20(2), Feb. 1982, pp 171-74.

Co-Cr Films with Perpendicular Magnetic Anisotropy, T. M. Coughlin, J. H. Judy, E. R. Wuori, IEEE Transactions on Magnetics, Vol. MAG-17, No. 6, Nov. 1981, pp 3169-71.