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Algebraic geometry (AG) codes over fields have a rich history, having been discovered by V. D. Goppa in the late 1970's. AG codes over rings were introduced by J. Walker in the mid-1990's. Recently, K. Bartley and Walker gave a list decoding algorithm for such codes. In this talk, we discuss AG codes over rings, list decoding, and associated parameters. (Received August 26, 2008)