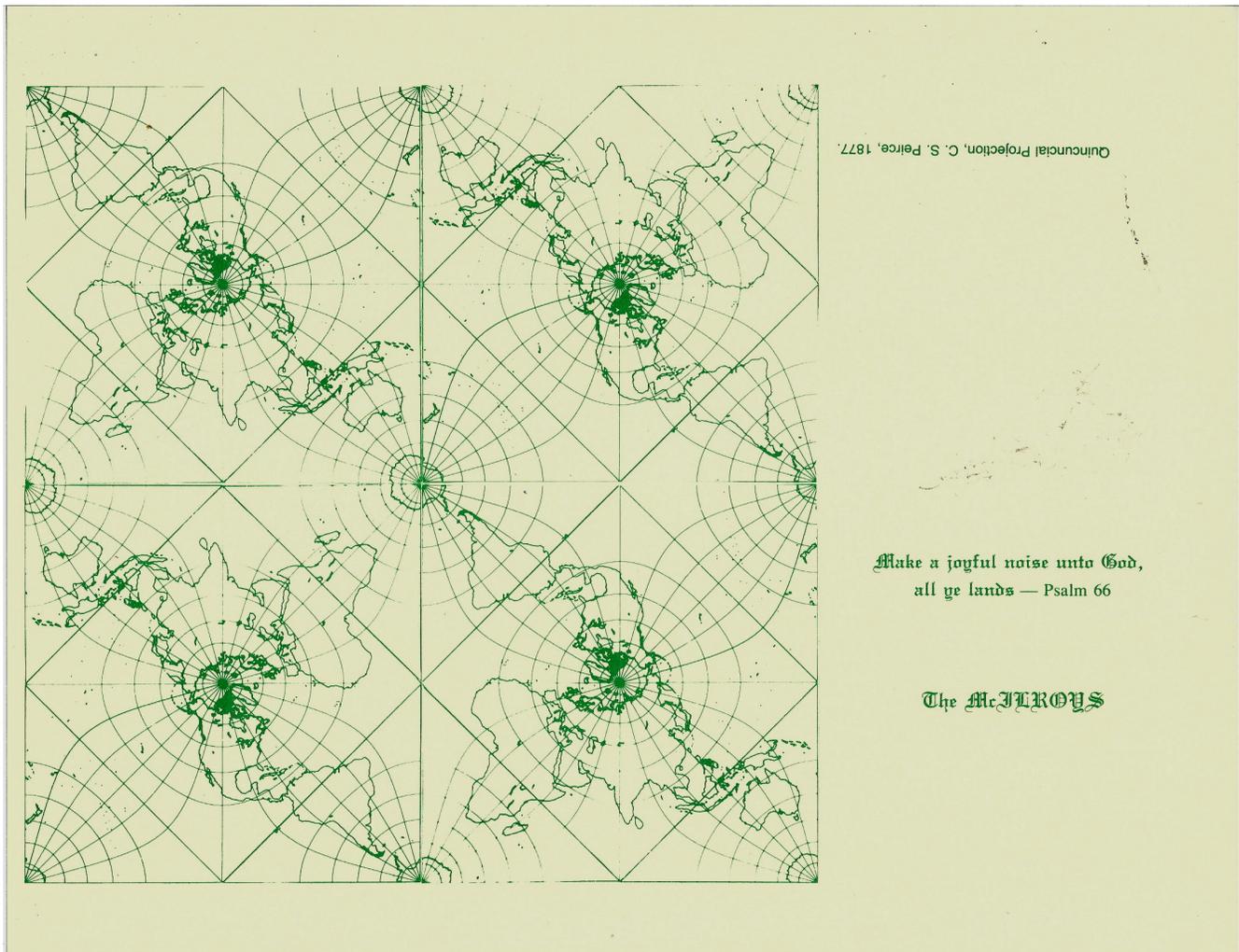


Quincuncial Projection



The sheet folds into a card of one-fourth the area with the greeting inside, the citation on the back, and 1½ images of the world on the front. Vagaries of the borders reveal the contemporary state of technology: Four images of the world were cut out by hand and pasted up to make the master copy. The print shop could only print in black ink or in a color of the day.

The American philosopher and cartographer Charles Sanders Peirce described this first wallpaper map in 1877, based on a formula published by H. A. Schwarz in 1869. In this aspect, the northern and southern hemispheres each map conformally onto a square. The entire globe maps onto a square of twice the area. *Quincuncial* means arranged like five dots on the face of a die.

Wallpaper maps have seldom been used for practical purposes (not even wallpaper, as far as I know). The quincuncial projection is the only one I have seen outside of cartographic literature, to show disease transmission in a paper by Michael Worobey, Jonathan Pekar, Brendan B. Larsen, Martha I. Nelson, Verity Hill, Jeffrey B. Joy, Andrew Rambaut, Marc A. Suchard, Joel O. Wertheim, and Philippe Lemey, “The emergence of SARS-CoV-2 in Europe and North America”, *Science* **370** Issue 6516 (30 October 2020) 564-570.