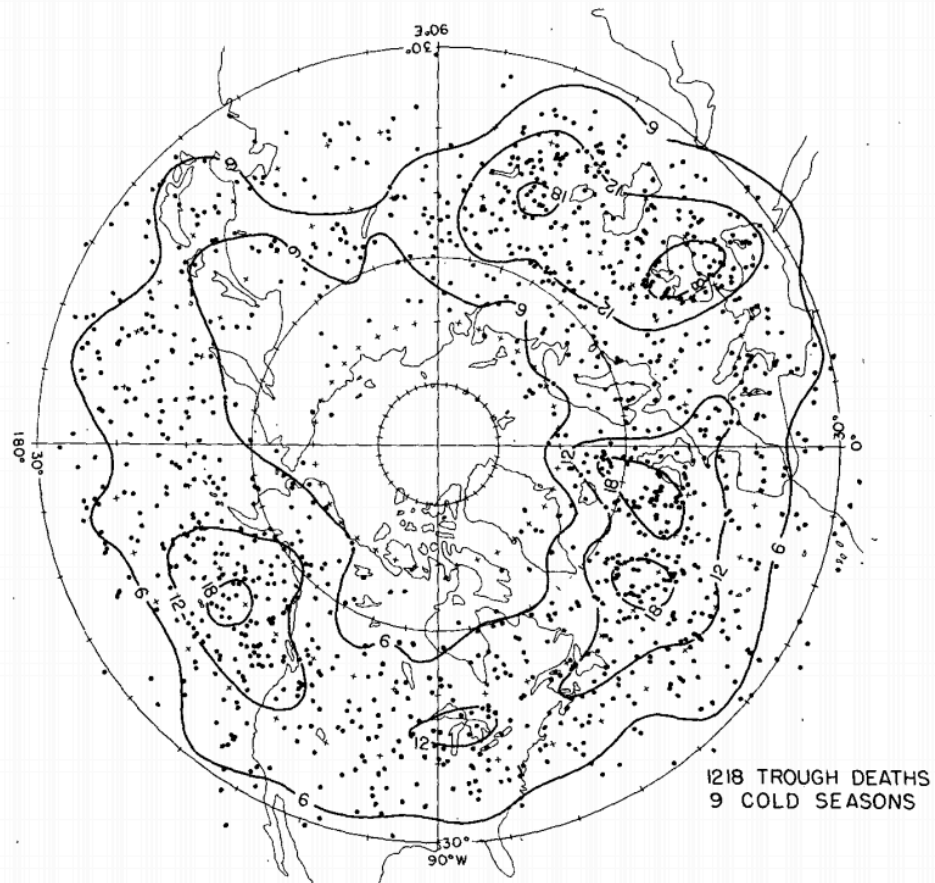
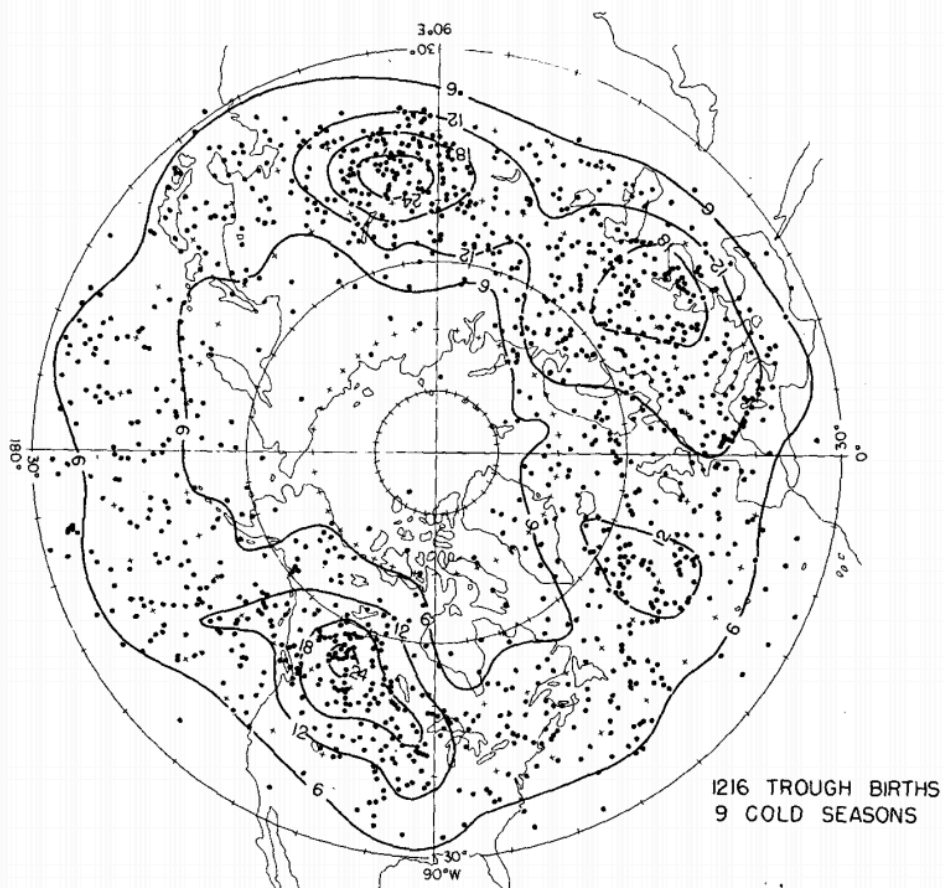


FIG. 2. Sample weekly composite of 0000 UTC positions of the 552-dam contour of 500-mb height. The positions of mobile troughs are denoted by letters, with a subscript indicating the date. A box (circle) around the letter signifies that this date was the last (first) on which the trough could be identified. The heavy dashed line is the long-term mean position of the contour for this week.





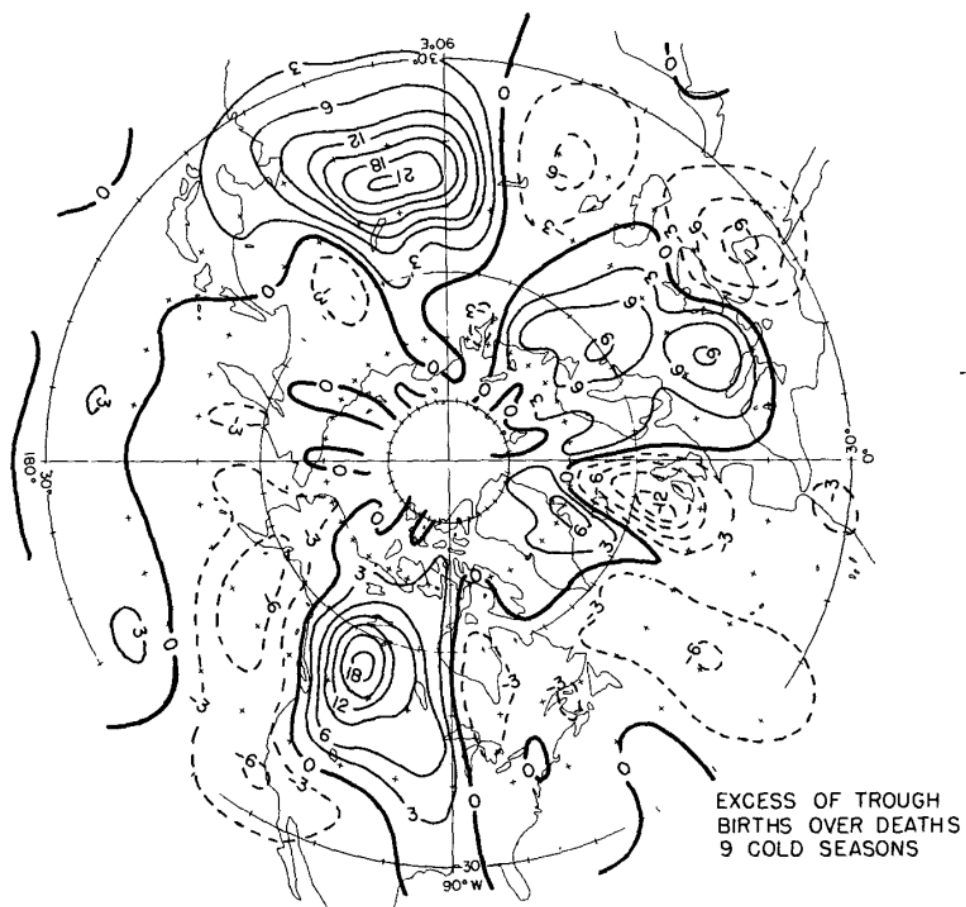


FIG. 6. Positions of mobile trough (a) origins, (b) terminations, and (c) excess of origins over terminations during the nine cold seasons examined. The solid lines are contours of smoothed normalized frequency in areas bounded by 10 degrees of latitude and longitude. See text.

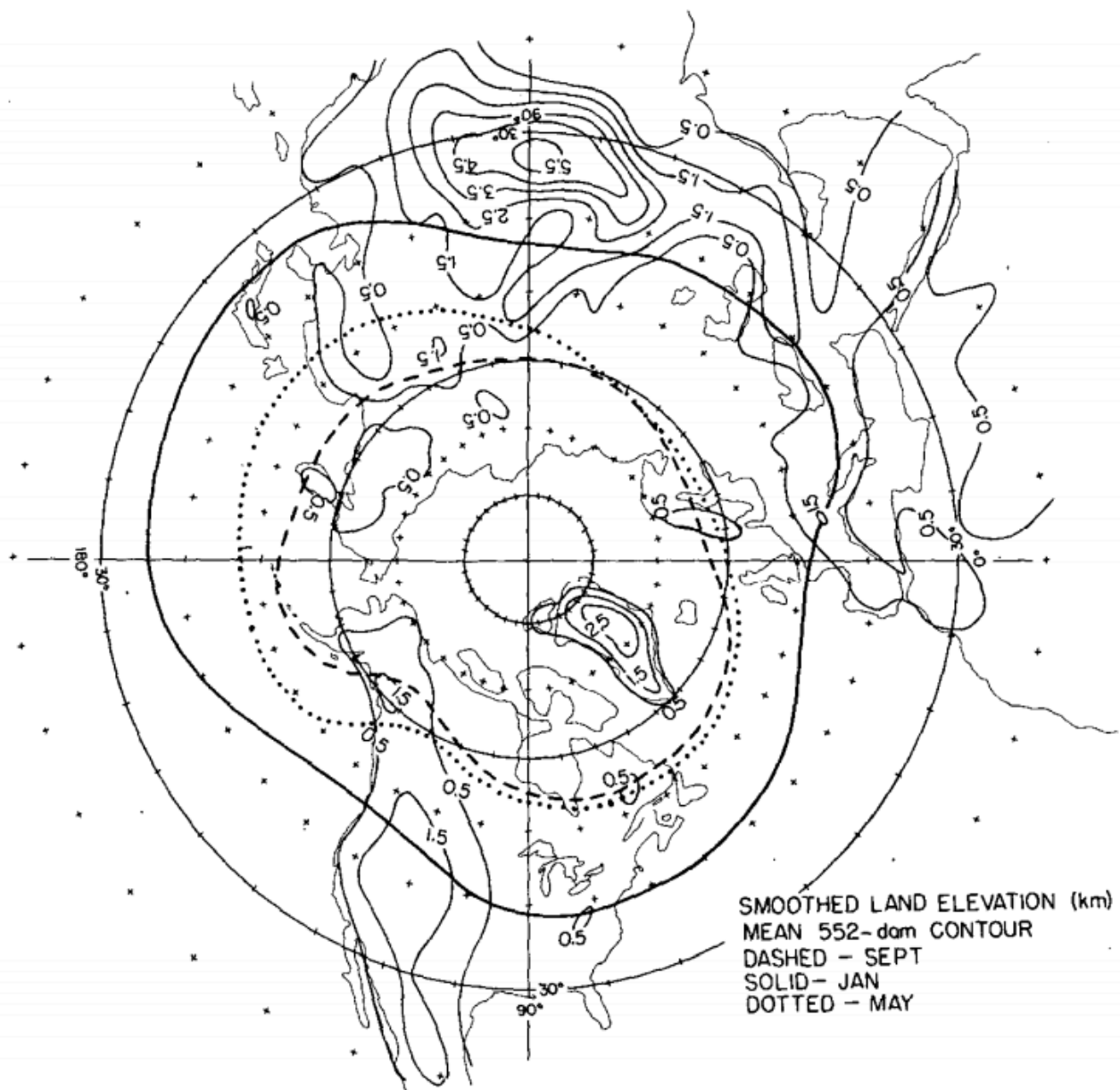


FIG. 7. Contours of smoothed land elevation and long term mean positions of the 552-dam contour for indicated months.

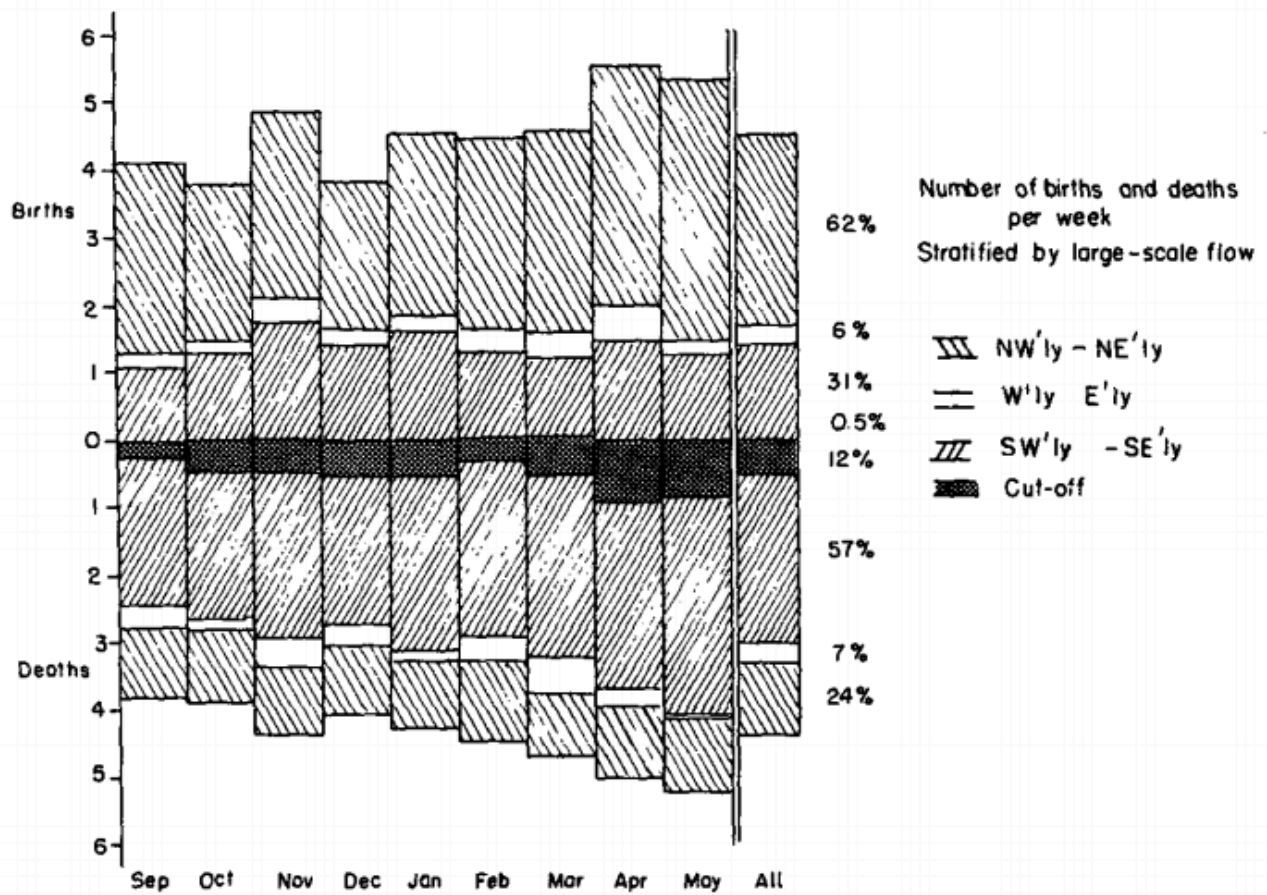


FIG. 8. Mean weekly frequency of trough origins and terminations, stratified on the basis of the large-scale flow in which they are embedded.