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Troisième bibliographie sur le glacier couvrant principalement la période de 1974 à 2010

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Légende des figures

- Figure 1. Amas d'une trentaine de cailloux de schiste argileux à la surface du couvert glacial de 75 cm d'épaisseur recouvrant la batture rocheuse, à Grondines, rive nord du haut estuaire du Saint-Laurent; le plus gros fragment : mesure 60x60x15 cm et pèse environ 120 kg (14-03-96).
- Figure 2. Grande nappe de vase de deux centimètres d'épaisseur à la surface du couvert de glace sur la batture, à Montmagny, côte sud du moyen estuaire du Saint-Laurent (27-03-89).
- Figure 3. Rainure superficielle faite par un radeau de glace entraîné par le jusant, sur la batture vaseuse, à Sainte-Anne-de-Beaupré; rive nord de l'estuaire du Saint-Laurent (19-03-96).
- Figure 4. Rainure creusée dans la batture argileuse par un bloc de conglomérat poussé vers la mer par des radeaux de glace dans le schorre inférieur, à l'Isle-Verte, côte sud de l'estuaire maritime du Saint-Laurent; la longueur de la rainure relique excède 125 m; le bloc affouilleur mesure 3x3x3 m et pèse environ 50 tonnes; en 1990, il a été déplacé latéralement de 6 m; par la suite il a migré vers la mer, en moyenne, de 3 m par année (14-04-90).

Introduction

La présente bibliographie complète celles qui ont été publiées antérieurement sur le glaciol (Dionne, 1969, 1974). Elle comprend en majeure partie (plus de 83 %) des références couvrant la période 1974-1990. La balance est composée de publications parues avant 1974, soit plus de 10 % durant la période 1960-1973 et seulement 6 % environ de publications antérieures à 1960. Ces références n'apparaissant pas dans la bibliographie de 1974, elles s'ajoutent donc à la liste.

La nouvelle bibliographie contient 1 148 références qui, en grande partie, concernent les aspects morpho-sédimentologiques du glaciol ; celle qui date de 1974 en comptait 465. Au total, les deux bibliographies totalisent plus de 1 600 références.

Le domaine du glaciol a connu un progrès important au cours des dernières décennies, notamment entre 1974 et 1999 (75 %) des références. Plusieurs travaux concernent l'action des icebergs et des stamukhi sur les fonds marins et lacustres des régions arctiques et antarctiques, mais d'autres aussi nombreux portent sur les littoraux actuels et anciens des régions froides de la planète. Un ouvrage fondamental, en anglais, a aussi été publié récemment par le professeur Alexander P. Lisitsin (2002) sur le rôle morpho-sédimentologique des glaces et des icebergs. On trouvera dans sa bibliographie l'essentiel de la littérature russe sur le sujet.

À l'instar de la bibliographie de 1974, celle-ci n'a pas la prétention d'avoir réuni sous ce couvert tous les travaux portant sur les divers aspects du glaciol. La plupart des références mentionnées concernent des publications en français et en anglais, langues pratiques de l'auteur.

À la différence des deux premières bibliographies sur le glaciol (Dionne, 1969, 1974), celle-ci n'est ni annotée ni accompagnée d'un index des sujets, outils pourtant fort utiles. Seuls quelques dizaines de titres non indicatifs sont accompagnés d'une brève annotation sur leur intérêt pour le glaciol. Malgré cette lacune, nous croyons que la liste des travaux réunis ici facilitera le travail des chercheurs soucieux de se renseigner sur les acquis et de rendre à César son dû.

À une époque dominée par la multiplication des outils informatiques, il est décevant de constater trop souvent la minceur des bibliographies accompagnant les articles scientifiques dans le domaine des sciences de la Terre. À titre d'exemple, mentionnons ici un article sur le glaciol paru récemment dans *Sedimentary Geology* (Zhong, *et al.*, 2006). Cet article signale des formes sédimentaires mineures, formes que nous avons décrites et illustrées dans de nombreux articles, en français et en anglais, dans divers périodiques et autres publications (Dionne, 1972, 1985, 1988 ; Dionne et Laverdière, 1972); formes qui sont aussi mentionnées dans certains manuels de sédimentologie dont celui de Reineck et Singh (1980). Or, l'article de Zhong *et al.*, (2006) ne mentionne aucune de ces publications sur le sujet. On s'interroge alors sur le choix des évaluateurs dans des périodiques considérés de haut niveau comme ceux de la maison Elsevier.

Bien que le rôle morpho-sédimentologique dans les différents environnements sédimentaires soit mieux connu et documenté aujourd'hui, il reste encore beaucoup à faire pour connaître l'étendue, l'ampleur et l'importance des processus, des formes et des dépôts résultant de l'activité glacielle dans le monde. Un ouvrage général sur le glacielle ainsi qu'un atlas seraient un apport fondamental. Certains l'ont déjà suggéré ; nous y avons aussi sérieusement songé ; mais il se fait tard pour entreprendre cette lourde tâche. Quelqu'un prendra-t-il la relève ? En attendant, nous conservons nos nombreux documents sur le sujet ainsi qu'une collection de plusieurs milliers de diapositives couleurs. L'heure des archives a sonné !

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