### SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## SCHEDULE 13G

## Under the Securities Exchange Act of 1934

(Amendment No. 2)

NAME OF ISSUER: Aluminum Company of America

TITLE OF CLASS OF SECURITIES: Aluminum Company of

America Common Stock

CUSIP NUMBER 022249-100

Check the following box if a fee is being paid with this statement: [ ]

CUSIP NO. 022249-100

- MELLON BANK CORPORATION Names of Reporting Persons (1) SS or IRS Identification Nos. IRS No. 25-1233834 of Above Persons
- (2) Check the Appropriate Box (a) if a Member of a Group (See Instructions) (b)
- (3) SEC Use Only
- United States Citizenship or Place (4) of Organization

Number of Shares Beneficially Owned by Each Reporting Person With

- (5) Sole Voting 935,000 Power
- (6) Shared Voting Power 3,582,438
- (7) Sole Dispositive Power 860,000
- (8) Shared Dispositive Power 1,350,000
- (9) Aggregate Amount Beneficially Owned by Each Reporting Person 4,637,438

- (10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
   (11) Percent of Class Represented by Amount in Row (9)
- (12) Type of Reporting Person HC (See Instructions)

- 2(a) -

# SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

(Under the Securities and Exchange Act of 1934)

Item 1(a) Name of Issuer:

Aluminum Company of America

Item 1(b) Address of Issuer's Principal Executive Offices:

1501 ALCOA Building Pittsburgh, PA 15219

Item 2 (a) Name of Person Filing:

Mellon Bank Corporation and any other reporting person(s) identified on the second part of the cover page(s).

c/o Mellon Bank Corporation
One Mellon Bank Center
Pittsburgh, Pennsylvania 15258
(for all reporting persons)

Item 2(c) Citizenship:

**United States** 

Item 2(d) Title of Class of Securities:

Aluminum Company of America Common Stock

Item 2(e) CUSIP Number:

022249-100

Item 3 See Item 12 of cover page(s) ("Type of Reporting Person") for each reporting person.

BK = Bank as defined in Section 3(a)(6) of the Act

IV = Investment Company registered under Section
8 of the Investment Company Act

IA = Investment Advisor registered under Section
203 of the Investment Advisers Act of 1940

EP = Employee Benefit Plan, Pension Fund which is subject to the provisions of the Employee Retirement Income Security Act of 1974 or Endowment Fund; see Section 240.13-d(1)(b)(1)(ii)(F)

HC = Parent Holding Company, in accordance with Section 240.13-d(1)(b)(1)(ii)(G)

### Item 4 Ownership:

See Items 5 through 9 and 11 of cover page(s) as to each reporting person.

The amount beneficially owned includes, where appropriate securities not outstanding which are subject to options, warrants, rights or conversion privileges that are exercisable within 60 days. The filing of this Schedule 13G shall not be construed as an admission that Mellon Bank Corporation, or its direct or indirect subsidiaries, including Mellon Bank, N.A., are for the purposes of Section 13(d) or 13(g) of the Act, the beneficial owners of any securities covered by this Schedule 13G.

Mellon Bank, N.A. is the trustee of the issuer's employee benefit plan (the "Plan"), which is subject to ERISA. The securities reported include all shares held of record by Mellon Bank, N.A. as trustee of the Plan. The reporting person, however, disclaims beneficial ownership of all shares that have been allocated to the individual accounts of employee participants in the Plan for which directions have been received and followed.

Item 5 Ownership of Five Percent or Less of a Class:

N/A

All of the securities are beneficially owned by Mellon Bank Corporation and its direct or indirect subsidiaries in their various fiduciary capacities. As a result, another entity in every instance is entitled to dividends or proceeds of sale. The number of individual accounts holding an interest of 5% or more is 0.

Item 7 Identification and Classification of the Subsidiary
Which Acquired the Security Being Reported by the
Parent Holding Company:

See Exhibit I.

Item 8 Identification and Classification of Members of the
 Group:

N/A

Item 9 Notice of Dissolution of Group:

N/A

Item 10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purposes or effect.

## **SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

This filing is signed by Mellon Bank Corporation on behalf of all reporting entities pursuant to Rule 13d-1(f)(1) promulgated under the Securities and Exchange Act of 1934, as amended.

Date: January 19, 1995

MELLON BANK CORPORATION

By /s/ Michael E. Bleier Michael E. Bleier General Counsel

### EXHIBIT I

The shares reported on the attached Form 13G are beneficially owned by the following direct or indirect subsidiaries of Mellon Bank Corporation, as marked (X):

- (A) X Boston Safe Deposit and Trust Company
  - X Boston Safe Deposit and Trust Company of California Boston Safe Deposit and Trust Company of New York
  - X Mellon Bank, N.A.
    Mellon Bank (Delaware) National Association
    Mellon Bank (MD)
- (B) Franklin Portfolio Associates Trust
  - X Laurel Capital Advisors
  - X Mellon Capital Management Corporation
  - X Mellon Equity Associates
  - X The Boston Company Advisors, Inc.
    The Boston Company Financial Strategies, Inc.
    The Boston Company Asset Management, Inc.
  - X The Dreyfus Corporation Dreyfus Management, Inc.

The Item 3 classification of each of the subsidiaries listed under (A) above is "Item 3(b) Bank as defined in Section 3(a)(6) of the Act."

The Item 3 classification of each of the subsidiaries listed under (B) above is "Item 3 (e) Investment Advisor registered under Section 203 of the Investment Advisers Act of 1940."