

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: GENERAL MEMBERSHIP MEETING

PLACE OF MEETING: HILTON INN, DALLAS, TEXAS

DATE: MARCH 12, 1970

MEMBERS PRESENT:

|                 |                                    |
|-----------------|------------------------------------|
| L. A. Braun     | E. J. Longyear Company             |
| R. E. Dickinson | Mobile Drilling Co., Inc.          |
| L. W. Janson    | Sprague & Henwood, Inc.            |
| M. Lavigne      | Wheel Trueing Tool Company         |
| J. R. Mott      | B. H. Mott & Sons, Inc.            |
| L. F. Nolan     | Diamond Products, Inc.             |
| R. F. Norrick   | Acker Drill Company                |
| J. A. Ross      | Sprague & Henwood, Inc.            |
| B. Snyder       | WABCO, Drilling Equipment Division |
| W. J. Verby     | Anton Smit & Co., Inc.             |
| H. L. Ward      | Joy Manufacturing Company          |

OTHERS PRESENT:

|                      |                               |
|----------------------|-------------------------------|
| J. Daly              | Craelius Diabor AB            |
| A. Oden              | Craelius Diabor AB            |
| R. F. Bell           | Pine Tree Engineering Company |
| W. L. MacMillan, Jr. | Secretary/Treasurer, DCDMA    |

PRESIDING OFFICER:

H. L. Ward, President

I. APPROVAL OF MINUTES OF PREVIOUS MEETING

A motion was duly made, seconded and approved that the minutes of the October 9, 1969 General Membership Meeting in Denver, Colorado be received as previously distributed.

II. REPORT FOR THE EXECUTIVE COMMITTEE

President Ward reported for the Executive Committee:

Proposed Diamond Industry Federation - President Ward stated that the Executive Committee had discussed the proposed Federation; that he had on invitation of the Industrial Diamond Association of America attended their April 5-10, 1970 convention at St. Croix, U. S. Virgin Islands. He also mentioned that the Committee would be meeting again in June, 1970 and that DCDMA, DWMI and IDA were seriously considering the possibility of the three groups meeting at the same site in the Spring of 1972. At the November 5, 1969 meeting in Cleveland, the Committee discussed further the Federation idea with each association presenting their group's reaction to the proposal. The general consensus was that the three associations do not seem to have enough in common to actively pursue the matter of federation at this time. However, it was recommended that the lines of communication be kept open.

President Ward also mentioned assignments to the Planning Committee, the Public Relations Committee, the Mechanically Set Bits Committee, the International Standards Committee, and the Membership and Attendance Committee.

As to availability and prices on the 57 Charts information, he stated that each member company has been sent one complimentary copy of these charts. Additional complete 57 Charts are available at a cost of \$20.00 per set or 50¢ a sheet to member firms only.

- a. The Association Secretary has been directed to check policy and handle in the established manner requests for Charts from Associate members.
- b. Non-member company requests for information on the 57 Charts or individual sheets to be quoted at the established prices now in effect which had applied to drawings prior to the availability of the 57 Charts.

### III. TREASURER'S REPORT

Mr. MacMillan presented copies of the Audit for the period January 1 through December 31, 1969 which included a Statement of Financial Condition and a Statement of Operations. An Income and Expense Statement for the period January 1, 1970 to February 28, 1970 was also distributed. It showed a bank balance as of February 28, 1970 of \$2,402.06; in the Savings Account \$4,969.06; in Treasury Bills \$15,000.00.

The proposed budget for 1970 was distributed and approved as previously amended by the Executive Committee. The Budget as approved is an addendum and a part of these minutes. It was brought out that the Executive Committee had directed the Secretary/Treasurer to reinvest \$15,000.00 in Treasury Bills in commercial paper for the equivalent amount. If there is any question, the Secretary/Treasurer to consult with the President. The report was received.

IV. COMMITTEE REPORTS

A. Planning Committee

No report.

B. Membership and Attendance Committee

The Secretary/Treasurer read the report as submitted by Temporary Chairman Eastman.

It was reported that the Committee recommended the Fall meeting be scheduled with consideration of possible conflicts with AIME or AMC meetings in an east-central location such as Detroit, Indianapolis or Chicago.

The report was approved and the Committee assigned the task of reviewing companies that have not been represented at several meetings and an effort made to develop a means of reactivating their interests in attending.

C. Public Relations Committee

The Secretary/Treasurer read the Committee report of Committee Chairman Davenhall. It was reported that Bulletin No. 3 was undergoing more changes which will set the printing schedule back approximately 6 weeks. Proofs to be circulated in the near future. And that the extensive corrections and re-work would cost an estimated \$3,000.00 additional.

The Committee recommended DCDMA mailing up to 500 copies of Bulletin No. 3 at no charge to colleges and universities using the list that the Secretary/Treasurer has access to.

A copy of Bulletin No. 3 with a cover news release to be mailed to our Press Release list announcing its availability through member companies.

The matter of plastic pocket cards showing new DCDMA standards was tabled pending further study by the Committee.

Assigned to the Public Relations Committee is the project of accumulating information of interest to users of DCDMA Products with the end result the publishing of a pamphlet for distribution through members. Suggested for inclusion:

- 1) Information on Drill rods and casings
- 2) Care of core barrels
- 3) Care of diamond bits and similar material

The Public Relations Committee to work closely with the various Technical Committee Chairmen to accumulate this information.

#### D. Standards Committee

The Secretary/Treasurer read the report for Co-Chairman Hoffmeister. It was reported that a review of the status of the originally approved standards for each DCDMA standard disclosed that there are still a few originals which have not been located, but which can be duplicated with accuracy from existing records.

The actual approved standards of the Association have now been checked carefully, and collected into a binder. One complimentary copy has been distributed to each member company.

It was recommended that the Executive Committee review the pricing policy of the Association with regard to sale of our standards to:

- 1) Manufacturing companies which are not members.
- 2) Associate Members.
- 3) Governmental agencies and other customers -  
for inspection purposes.

No new standardization projects were presented for advancement to the Executive Committee.

A discussion of the need for establishment of ratings for in-hole tools such as rods and casing was held, but no conclusions or recommendations drawn.

As a result of the Executive Committee being questioned about prices of 57 Chart Information, the following guide lines were established:

- 1) Additional copies to members - \$20.00 each  
50¢ per sheet
- 2) Copies to non-members - \$2,600.00 each.
- 3) The Secretary to research previous policy regarding price to Associate Members and handle such requests in accord with this.
- 4) Non-member companies' requests for individual sheets to be quoted at prices established prior to the availability of the Standards Book of 57 Charts.
- 5) Bulletin No. 3 to be available to U. S. Government Agencies at no charge; Standards Book of 57 Charts at the \$2,600.00 price.

E. International Standards Committee

The Secretary/Treasurer reported for Chairman Fornwald. He reported that there had been, since the last DCDMA meeting, no meetings of ISO TC 82/WGG, which is working on international standardization of core drilling equipment.

The DCDMA position regarding the manner in which such international standardization should be conducted has been endorsed by the American National Standards Institute, and the ISO headquarters has been so advised.

In an attempt to overcome the impasse which seems to be blocking the international standards proceedings, the Committee felt that a project should be established and assigned to the International Standards Committee which would cover the delineation of the technical differences between the two systems presently proposed for international standards recommendations.

This study would be started by informal discussions and exchanges of correspondence between the Chairman of the International Standards Committee and the representative to DCDMA of Craelius Diabor AB, which holds associate membership in DCDMA.

The Executive Committee has recommended continuance of DCDMA membership in the American National Standards Institute.

The report was approved and the Committee assigned the project of "Making a Study and Delineation of a Comparison of the DCDMA Standards and the Swedish Institute Standards" and to report as a Committee on this comparison.

F. Statistical Committee

*converted  
10/7/70*

Chairman Ross reported that as they did not have a quorum the meeting was not official. However, they wish to point out that changes in DCDMA scope definitions ~~by the Technical Committee for Soil Sampling Equipment~~ could affect the dues structure since dues are based on product scope definition.

However, the Executive Committee is taking under advisement the matter of additional scopes.

G. Technical Committee for Drill Equipment

Chairman Braun reported that the Committee reviewed the Bulletin No. 3 specifications - basically the nominal sizes of tubular dimensions. These were revised to the exact decimal equivalent of the original fractional size for clarification. A few apparent errors were corrected. Five and twenty foot lengths of core barrels, etc. were deleted. DCDMA physical standards were deleted from the individual specifications on rods and casing and recommended be shown on separate page so implication that all such standards on dimensions automatically included physical specifications.

Clinometers were discussed. Only 3 answers returned on questionnaire sent out to committee members and one company did not make such items. Other members showed lack of interest due to low volume of business in such items. Recommended that this project be dropped for the time being. Note - CDDA has a standard on clinometers.

Conversion of Dwg. stds. to tabulated sheets was discussed. Split Barrel Sampler for Sails Comm. completed but Large Series C.B., Taper thread drill rods and core boxes yet to be done by draftsman. Will check at next meeting if by then available.

Discussed origin of new projects for committee. Committee is open for suggestions for new project. Discussed was possible torque and depth ratings of rods and casing as this question is frequently asked by customers new to the core drill industry. If not practical, perhaps a standard rating procedure developed so customer could easily figure capacities himself. No recommendation made at this time.

The report was approved after the Committee was assigned as a project the study of possible torque and depth ratings of core barrels with the direction to keep the Executive Committee aware of progress.

The Secretary/Treasurer to memo Executive Voting Members for project suggestions for this Committee.

H. Technical Committee for Mechanically Set Bits

Chairman Lavigne reported that the spread sheets covering all dimensions of parts relating to expansion adapters and drive mechanisms on all sizes of masonry bits had been distributed. The sheets had been filled in by the various member companies and had been returned to him for review. The chairman reported that he had started to tabulate the information contained in the spread sheets but that it was obvious that before this work can be completed and be of any value a prior step must be taken. The prior step involves polling the manufacturers to determine what type and kind of raw material they are currently using in the manufacture of the blank. In addition, it will be necessary to establish the commercial tolerances which apply to the various types of tubing used. A questionnaire will be sent to all members soliciting this information and this will be presented at the next meeting.

Mr. C. Thompson volunteered to have copies made of each member's spread sheet so that these copies could be distributed to each member. In this way each member will have a copy of the data submitted by every other member. This has been accomplished.

Mr. Fornwald reported that he had received drawings and up-dated dimensions from all manufacturers of wire line core barrels except Odgers Drilling Company. However, as of this date he has not had a chance to correlate this information and prepare a consolidated chart showing the critical bit and shell dimensions. This work will be done prior to the next meeting and new charts presented to the member companies.

A brief discussion was held with reference to tolerances on Set O.D. and I.D. dimensions on bits larger than NX size. Bill Fornwald reported on the background of this problem and the chairman apprised the Committee of the position the CDDA has taken with respect to tolerance on bits in these sizes. It developed that because of existing conflict with respect to tolerances to be shown in Bulletin No. 3

this problem cannot be resolved by this Committee at this time. The problem was tabled for consideration at a later date.

The report was approved and the Committee assigned as a project "The restudy of the Set O.D. of Bit and Shell of DCDMA Standards larger than NX; also the study of Manufacturing Tolerances with particular reference to Letter Ballot 16-64".

I. Technical Committee for Soil Sampling Equipment

Chairman Tomaine reported that the Committee reviewed the experimental standard on drive hammers and recommended and received approval from the Executive Committee that the drive hammers be made a standard and the Committee will review tab sheets on the split barrel sampler for differences in nomenclature with Bulletin No. 3. The Committee reviewed the ASTM and DCDMA standards on core boxes. There are no conflicts between DCDMA and ASTM. The Committee will direct the Association Draftsman to prepare a tab sheet on the core boxes.

Committee work is continuing on Auger Connections and thin wall sampler heads.

The report was approved.

V. REPORT OF THE NOMINATING COMMITTEE

Committee member William Verby reported for Chairman H. J. Meinert and submitted the following slate of Executive Committee nominations:

For 3 year terms, J. A. Ross, Jr. and J. R. Mott  
For President, R. E. Dickinson  
For Vice-President, Robert F. Norrick

President Ward asked for nominations from the floor. There being none, the Secretary/Treasurer was directed to cast one unanimous ballot for the slate as presented.

Newly elected President Dickinson presented a plaque in the name of the Association to retiring President, Harry L. Ward.

VI. OLD BUSINESS

None.



VII.            NEW BUSINESS

The next meeting was designated for St. Louis, October 5-7, 1970 as first choice; second choice, October 12-14, 1970 in St. Louis.

The Secretary/Treasurer will make the Headquarters hotel arrangements. The Executive Committee recommended that the 1971 meeting be held in a warm climate resort-type location with wives especially invited to attend.

The Secretary/Treasurer was authorized to issue a brief pictorial-editorial report of this meeting to all members.

VIII.          ADJOURNMENT

There being no further business, the meeting was adjourned at 1:50 P.M. on motion properly made, seconded and unanimously approved.

Reported by:

William L. MacMillan, Jr.  
Secretary/Treasurer

ADDENDUM TO MINUTES OF MARCH 12, 1970 MEETING

1970 BUDGET

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION

|                                |               |
|--------------------------------|---------------|
| Management Fees                | \$ 9,000.00   |
| Professional Fees              | 250.00        |
| Office Expenses                |               |
| Stock and Supplies             | 350.00        |
| Postage                        | 300.00        |
| Telephone and Telegraph        | 300.00        |
| Staff Travel Expenses          | 1,000.00      |
| Dues and Subscriptions         | 800.00        |
| Association Meetings           | 1,500.00      |
| Special Situations             | 200.00        |
| Pine Tree Engineering Fees     | 800.00        |
| Pine Tree Engineering Supplies | <u>500.00</u> |
| Total                          | \$15,000.00   |
| Projected Income Dues          | \$13,000.00   |

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: TECHNICAL COMMITTEE FOR MECHANICALLY SET BITS

PLACE OF MEETING: CHASE-PARK PLAZA HOTEL, ST. LOUIS, MISSOURI

DATE: TUESDAY, OCTOBER 6, 1970

MEMBERS PRESENT:

|                      |                        |
|----------------------|------------------------|
| M. Lavigne           | Wheel Trueing Tool Co. |
| W. L. Fornwald       | Sprague & Henwood      |
| J. R. Mott           | B. H. Mott & Sons      |
| R. W. Beaumont       | American Coldset Corp. |
| R. F. Norrick        | Acker Drill Co.        |
| (for N. R. Stauffer) |                        |

MEMBERS ABSENT:

|               |                                  |
|---------------|----------------------------------|
| H. J. Meinert | J. K. Smit & Sons                |
| L. F. Nolan   | Diamond Products                 |
| W. J. Verby   | Anton Smit & Co.                 |
| C. Ward       | Christensen Diamond Products Co. |
| R. L. Carlson | Diamond Drill Contracting Co.    |

OTHERS PRESENT:

|                 |                                  |
|-----------------|----------------------------------|
| W. Kempe        | Christensen Diamond Products     |
| W. Huber        | Diamond Tool Research Co.        |
| G. Wright       | Wheel Trueing Tool Co.           |
| G. S. Rodvold   | Christensen Diamond Products Co. |
| C. T. Thompson  | American Coldset Corp.           |
| J. Daly         | Atlas Copco                      |
| Anders Oden     | Craelius Diabor AB               |
| Bertil Eckerman | Craelius Diabor AB               |
| R. Richmond     |                                  |

PRESIDING OFFICER:

M. Lavigne, Chairman

TECHNICAL COMMITTEE FOR  
MECHANICALLY SET BITS



Larger than 4" up to and including 5 3/4"

Set Shell O.D.   +.000  
                      -.020

Set Bit O.D.       +.000  
                      -.020

Tolerance between Minimum Shell O.D. and Maximum  
Bit O.D. to be .015"

Larger than 5 3/4" up to and including 9"

Set Shell O.D.   +.000  
                      -.030

Set Bit O.D.       +.000  
                      -.030

Tolerance between Minimum Shell O.D. and Maximum  
Bit O.D. to be .020"

It was duly moved, seconded and carried that these tolerances be submitted for approval to the Executive Committee. Upon approval by this Committee, these tolerances might then be circulated to member companies in the form of a Letter Ballot. Upon final approval, a sticker containing the new figures would be added to Bulletin #3.

III.    New Business -

The Chairman reported that he would contact member companies concerning their suggestions and recommendations on the care and use of Diamond Bits. In turn this information would be passed on to the Public Relations Committee to assist in the compilation of their proposed manual.

IV.     There being no further business, the meeting was adjourned.

Respectfully submitted,

M. Lavigne, Chairman

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: TECHNICAL COMMITTEE FOR SOIL SAMPLING EQUIPMENT

PLACE OF MEETING: CHASE-PARK PLAZA HOTEL, ST. LOUIS, MISSOURI

DATE: TUESDAY, OCTOBER 6, 1970

MEMBERS PRESENT:

|               |                     |
|---------------|---------------------|
| L. W. Janson  | Sprague & Henwood   |
| R. F. Norrick | Acker Drill Co.     |
| L. A. Braun   | E. J. Longyear Co.  |
| J. Koontz     | Mobile Drilling Co. |

MEMBERS ABSENT:

|               |                           |
|---------------|---------------------------|
| G. LaCasse    | Joy Manufacturing Co.     |
| F. C. Sturges | Pennsylvania Drilling Co. |

PRESIDING OFFICER:

L. W. Janson, Chairman

I. Shelby Tube and Stationary Piston Sampler Heads -

Response to a request for completing a chart type survey of present design has not been complete enough to permit meaningful tabulation. The chairman will rejuvenate the project within the committee to conclude it if possible.

II. Split Barrel Sampler -

Standard Drawing 12-D-1 has been redrawn as Tabulated Sheet No. 37.0 (to 37.6 incl.). It was discussed, and except for obvious differences necessitated by the action of separating the details\*, it was determined that the details were the same as presented to the Association as a replacement for 12-D-1. Submit for distribution to the membership.

\*Tolerances required to amplify separated details.

The discussion did bring up minor inconsistencies, however, that the Committee feels should be studied further. We ask, therefore, that we be assigned the project of reviewing the design details of the split barrel, liner, flap valve and shoe considering present manufacturing and operation procedure and compatability with ASTM specifications.

III. Auger Connections -

Jim Koontz presented a study of the dimension of Experimental Specs. Tab Sheet 35 intended to resolve the three negative votes cast when the sheet was accepted by the Association. The study reflects the actual dimensions used by a member engaged in Auger manufacture. A marked sheet will become a part of the chairman's file.

We ask for guidance. Should we (can we) now contact other manufacturers outside of DCDMA for their design practice in order to be certain that our revised sheet reflects industry practice before proposing that the revised figures be inserted in Tab Sheet 35?

We received authority from the Executive Committee to expand this project to auger flight timing. We ask now that it also include consideration of connecting pin standardization.

IV. Core Box -

Drawing 18-B-1, core boxes has been redrawn as Tab Sheet 40.0. The Committee determined that it was the same. The new drawings are, therefore, submitted for circulation to the members.

V. Procedures - (Care and Maintenance)

To assist the Public Relations Committee, we compiled a partial listing of items that should be included in a Care and Maintenance handbook to be prepared by the P.R. Committee. While not all inclusive, it will be a beginning for further expansion by P.R. Committee efforts. The list will be forwarded to the P.R. Chairman shortly.

VI. There being no further business, the meeting was adjourned.

Respectfully submitted,

L. W. Janson, Chairman

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: TECHNICAL COMMITTEE FOR DRILL EQUIPMENT  
PLACE OF MEETING: CHASE-PARK PLAZA HOTEL, ST. LOUIS, MISSOURI  
DATE: TUESDAY, OCTOBER 6, 1970

MEMBERS PRESENT:

|                      |                                 |
|----------------------|---------------------------------|
| L. A. Braun          | E. J. Longyear Co.              |
| B. V. Snyder         | WABCO (Drilling Equipment Div.) |
| J. Koontz            | Mobile Drilling Co.             |
| L. W. Janson         | Sprague & Henwood               |
| R. F. Norrick        | Acker Drill Company             |
| (for N. R. Stauffer) |                                 |

MEMBERS ABSENT:

|                    |                               |
|--------------------|-------------------------------|
| R. L. Carlson      | Diamond Drill Contracting Co. |
| O. C. Hoffman, Jr. | Hoffman Diamond Products      |
| G. LaCasse         | Joy Manufacturing Co.         |
| C. Ward            | Christensen Diamond Products  |
| W. W. Svendsen     | E. J. Longyear Co             |

OTHERS PRESENT:

|            |                       |
|------------|-----------------------|
| R. F. Bell | Pine Tree Engineering |
|------------|-----------------------|

PRESIDING OFFICER:

L. A. Braun, Chairman

I. Minutes of the last meeting, held in Dallas, Texas, March 10, 1970 were approved as published.

II. Thread interference of old "X" Bits in new "WG" single tube reaming shell were acknowledged but held of little consequence as problem will resolve itself when supply of old Bits is consumed. Problem of imperfect thread can be remedied on job with file.

III. Tapered thread drill rods standard from old drawing standard #16-D-0 to tabulated sheet #39.0 was reviewed and recommended for



Letter Ballot approval because one Dim. has been revised. Wall thickness "W" from .281" and .312" min. to .250" min. for both sizes to utilize same stock tubing as used for BW and NW casing and BX and NX casing cplgs.

IV. DCDMA Material Specs - T.S. #18 - Recommend revision by Letter Ballot to show DCDMA Spec. #C-65 for use on sizes R - H and a new Spec. #C-40 40,000 min. yield and 60,000 min. tensile (similar to A.P.I. H-40) be added for use on sizes P - Z so as to be able to utilize A.P.I. H-40 tubing for these four larger sizes.

V. Large Series Core Barrels from drawings to tabulated sheets done by Draftsman. Slight revision to format to show T.S. #41, 42, 43 for (3) Assy. S. and pertinent details while T.S. #44 for use of details common to all three sizes. Two members had filled in and presented their proposed dimensions on set of blank T.S. details mailed out previous to meeting. Third member will furnish chairman with info following meeting, who will then correlate info on T.S. for prop. at next meeting.

VI. Committee compiled list of Do's and Don't's on the use and care of DCDMA Drill Equipment for proposed handbook or brochure. It covered rods, casing and core barrels. This list will be expanded prior to next meeting of the Association.

VII. There being no further business, the meeting was adjourned.

Respectfully submitted,

L. A. Braun, Chairman

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: STATISTICAL COMMITTEE

PLACE OF MEETING: CHASE-PARK PLAZA HOTEL, ST. LOUIS, MISSOURI

DATE: TUESDAY, OCTOBER 6, 1970

MEMBERS PRESENT:

|               |                       |
|---------------|-----------------------|
| J. A. Ross    | Sprague & Henwood     |
| H. L. Ward    | Joy Manufacturing Co. |
| W. R. Eastman | E. J. Longyear Co.    |

MEMBERS ABSENT:

|                 |                              |
|-----------------|------------------------------|
| W. L. Acker     | Acker Drill Company          |
| C. T. Thompson  | American Coldset Corporation |
| P. Maertzweiler | Chicago Pneumatic Tool Co.   |
| F. C. Sturges   | Pennsylvania Drilling Co.    |
| G. S. Rodvold   | Christensen Diamond Products |

OTHERS PRESENT:

|                      |       |
|----------------------|-------|
| W. L. MacMillan, Jr. | DCDMA |
|----------------------|-------|

PRESIDING OFFICER:

J. A. Ross, Chairman

I. No problems were found in the reporting or receiving of statistics by us or the Association office.

II. After studying a reclassifying of drill machines by horsepower, it was decided impractical since we are not consistent in the use of engines on our drill machines.

III. The Committee is still awaiting the decision of the Executive Committee as to the change of the scope definition to include masonry equipment and the corresponding problems in the dues structure.

IV. At this point the Committee does not have projects to work on and would prefer to have our meeting scheduled as a breakfast or lunch meeting since there is no pressing business at this time.

V. There being no further business, the meeting was adjourned.

Respectfully submitted,

J. A. Ross, Chairman

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: INTERNATIONAL STANDARDS COMMITTEE

PLACE OF MEETING: CHASE-PARK PLAZA HOTEL, ST. LOUIS, MISSOURI

DATE: TUESDAY, OCTOBER 6, 1970

MEMBERS PRESENT:

|                              |                              |
|------------------------------|------------------------------|
| J. F. Hoffmeister            | E. J. Longyear Co.           |
| W. L. Fornwald               | Sprague & Henwood            |
| C. T. Thompson               | American Coldset Corporation |
| G. S. Rodvold                | Christensen Diamond Products |
| R. E. Dickinson (Ex Officio) | Mobile Drilling Company      |

MEMBERS ABSENT:

|               |                        |
|---------------|------------------------|
| W. L. Acker   | Acker Drill Company    |
| H. J. Meinert | J. K. Smit & Sons      |
| E. Larson     | E. J. Longyear Company |

OTHERS PRESENT:

|   |                    |
|---|--------------------|
| B. Eckerman                                   | Craelius Diabor AB |
| A. Oden                                       | Craelius Diabor AB |
| J. Daly                                       | Atlas Copco        |
| Others by special invitation of the President |                    |

PRESIDING OFFICER:

J. F. Hoffmeister, Chairman

- I. The minutes of the preceding meeting were read and approved.
- II. A discussion was held on the subject of the assignment at the Dallas meeting of April, 1970 to attempt to formulate an approach to procedures governing establishment of international standards by cooperative effort between DCDMA and its associate member Craelius Diabor AB.

After both informal discussions preceding the reported meeting, and formal and open debate at the meeting, a resolution was recommended for approval by all members and associate members at the

Association Meeting of October 7. It is felt that adoption of this resolution, and a firm resolve to operate within its prescriptions, will advance the matter of international standards to the mutual satisfaction of all DCDMA members and associates and, at the same time, furnish meaningful and useful standards for the good of the user.

President Dickinson will present this resolution to the General Meeting. If this resolution does not prove satisfactory as a document for guidance of the standardization procedure, it is recommended that DCDMA, with no prejudice, excuse itself from further participation in that endeavor.

III. There being no further business before the committee, the meeting was adjourned.

Respectfully submitted,

J. F. Hoffmeister, Chairman

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: PUBLIC RELATIONS & PLANNING COMMITTEES  
PLACE OF MEETING: CHASE-PARK PLAZA HOTEL, ST. LOUIS, MISSOURI  
DATE: TUESDAY, OCTOBER 6, 1970

MEMBERS PRESENT:

|                   |                                 |
|-------------------|---------------------------------|
| F. W. Davenhall   | Acker Drill Company             |
| J. A. Ross        | Sprague & Henwood               |
| H. L. Ward        | Joy Manufacturing Co.           |
| B. V. Snyder      | WABCO (Drilling Equipment Div.) |
| Paul Maertzweiler | Chicago Pneumatic Tool Co.      |
| W. L. Fornwald    | Sprague & Henwood               |

MEMBERS ABSENT:

|                    |                              |
|--------------------|------------------------------|
| E. M. Jenkins      | Christensen Diamond Products |
| O. C. Hoffman, Jr. | Hoffman Diamond Products     |
| V. N. Burnhart     | E. J. Longyear Co.           |
| D. H. Moller       | Diamond Products             |
| E. Larson          | E. J. Longyear Co.           |
| L. F. Nolan        | Diamond Products             |
| W. W. Svendsen     | E. J. Longyear Co.           |

PRESIDING OFFICER:

F. W. Davenhall, Chairman, Public Relations Committee

I. The Public Relations Committee met jointly with the Planning Committee at the request of President Dickinson.

II. The Minutes of both Committees were reviewed and discussed at some length.

III. Publicity - Bulletin No. 3

In the interest of publicity the Chairman of Public Relations and the Association Secretary sent out releases on the new Bulletin No. 3 to some nineteen publishers. The results of this work will and should appear in November issues and perhaps December issues of the publications.

PUBLIC RELATIONS COMMITTEE  
PLANNING COMMITTEE

The Association is providing the booklet to Association Members at \$2.00 each.

Requests on the Association for Bulletin No. 3 will be handled through the Association Headquarters at \$4.00 each postpaid.

IV. New Business

A thought was entertained that the DCDMA, in the interest of promoting the Standards on Rods, Casing, and in-hole tools, could produce a 16" x 20" printed photo of Rods, Casing, Diamond Bits & Core Barrels that could be sent to Engineering Colleges and Universities for display with "Presented By" or credit given the DCDMA.

V. Old Business

Bill Fornwald reported on the Plastic Card project which would contain Symbol Call Letters, ID<sup>S</sup> - OD<sup>S</sup> of Rods, Casing and Bit and Core Barrel sizes in Metric and Inches. The cost would be within \$500.00 for 5 to 10 (m) lots, which includes a \$75.00 art charge.

Old Business - Project #1

Considerable discussion was held on the Project involving the "Use and Care" of DCDMA tools given to the Committee at the last meeting.

The Committee agreed that such a project is a worthy one and that more direction is needed. The estimated cost and time element is in the \$10,000 level and more than two years time to produce a finished job.

This project would complement the new Bulletin No. 3 and give the Association an additional favorable image.

A more defined area in cost and time is requested in order to pursue the project. Complete Association Membership aid is requested to make this a complete endeavor.

VI. Spring Meeting

In the interest of this meeting, several areas were explored for the Spring Meeting location from cruising on the Atlantic to golfing in the Sunshine. The location suggested is Florida for the March, 1971 meeting and to invite wives to this meeting. Two alternatives were given the Executive Committee for their decision.

Attention is called to the forthcoming meeting of IDA and the DWMI at Phoenix, Arizona which DCDMA is invited to attend.

VII. Federation

Attention is called to the matter of a Federation between the IDA, the DCDMA and the DWMI. The attendance showed little interest at this time and it is recommended the project be dropped.

VIII. There being no further business, the meeting was adjourned.

Respectfully submitted,

Fred W. Davenhall, Chairman  
Public Relations Committee



DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: STANDARDS COMMITTEE

PLACE OF MEETING: CHASE-PARK PLAZA HOTEL, ST. LOUIS, MISSOURI

DATE: WEDNESDAY, OCTOBER 7, 1970

MEMBERS PRESENT:

|                   |                        |
|-------------------|------------------------|
| J. F. Hoffmeister | E. J. Longyear Co.     |
| M. Lavigne        | Wheel Trueing Tool Co. |
| L. A. Braun       | E. J. Longyear Co.     |
| L. W. Janson      | Sprague & Henwood      |

MEMBERS ABSENT:

|               |                           |
|---------------|---------------------------|
| F. C. Sturges | Pennsylvania Drilling Co. |
|---------------|---------------------------|

OTHERS PRESENT:

|             |                       |
|-------------|-----------------------|
| B. Eckerman | Craelius Diabor AB    |
| A. Oden     | Craelius Diabor AB    |
| J. Daly     | Atlas Copco           |
| R. F. Bell  | Pine Tree Engineering |

PRESIDING OFFICER:

J. F. Hoffmeister, Co-Chairman

I. The minutes of the preceding meeting were read and approved.

II. The pricing policy of the Association has not been recommended as yet. The Co-chairmen, Frank Sturges and John Hoffmeister, will consult on this matter to arrive at a recommendation before the next meeting.

III. The Chairmen of the Soils Equipment Committees reported their activities which will be reported directly to the Executive Committee. These various matters concern -

- a) Split Barrel Sampler.
- b) Wall Thickness of tapered thread drill rod.
- c) Casing material specification for P, S, U and Z sizes.
- d) Core Box
- e) Set OD tolerances of Large Diameter Core Barrel Bits.

IV. There was discussion regarding the effect upon inventories of tubing sizes selected by the various technical committees, for example, raw material sizes that will fit into both rod and casing designs. This led to the suggestion that some type of marketing or manufacturing committee might be established to relate commercial aspects of equipment design to the technical aspects of standards.

V. There being no further business before the committee, the meeting was adjourned.

Respectfully submitted,

John F. Hoffmeister,  
Co-chairman

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: MEMBERSHIP & ATTENDANCE COMMITTEE  
PLACE OF MEETING: CHASE-PARK PLAZA HOTEL, ST. LOUIS, MISSOURI  
DATE: WEDNESDAY, OCTOBER 7, 1970

MEMBERS PRESENT:

|                   |                            |
|-------------------|----------------------------|
| W. R. Eastman     | E. J. Longyear Co.         |
| J. A. Ross        | Sprague & Henwood          |
| J. R. Mott        | B. H. Mott & Sons          |
| Paul Maertzweiler | Chicago Pneumatic Tool Co. |

MEMBERS ABSENT:

|                |                               |
|----------------|-------------------------------|
| W. W. Svendsen | E. J. Longyear Co.            |
| L. J. Burrows  | Diamond Drill Contracting Co. |
| W. J. Verby    | Anton Smit & Co.              |

PRESIDING OFFICER:

W. R. Eastman, Temporary Chairman

I. The Committee again reviewed the application of Bharat Diamond Industries of Bombay for associate membership. The application is in order, and Bharat appears to meet the qualifications for associate membership as is set forth in the Constitution and By-Laws of DCDMA.

It is therefore recommended that the application be approved and that Bharat be admitted to associate membership.

It is further recommended that, in view of the number of associate members now in India, the firms in India be encouraged to start an Indian Diamond Drilling Association.

II. The application of Drillmaster, Ltd. of Weston, Ontario, Canada was tabled pending receipt of Bank and Trade references.

III. The application of Precision Tools, India is tabled pending receipt of Bank and Trade references, which the Secretary is requested to obtain.

IV. Applications from Chemcut Corporation, State College, Pa. and Doongursee & Sons, Bombay were noted and tabled pending receipt of further information.

V. There being no further business, the meeting was adjourned.

Respectfully submitted,

W. R. Eastman, Temporary Chairman

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: GENERAL MEMBERSHIP MEETING

PLACE OF MEETING: CHASE-PARK PLAZA HOTEL, ST. LOUIS, MISSOURI

DATE: OCTOBER 7, 1970

MEMBERS PRESENT:

|                     |                                      |
|---------------------|--------------------------------------|
| R. W. Beaumont      | American Coldset Corporation         |
| Leonard A. Braun    | E. J. Longyear Company               |
| Fred W. Davenhall   | Acker Drill Company                  |
| Robert E. Dickinson | Mobile Drilling Company              |
| Walter R. Eastman   | E. J. Longyear Company               |
| W. L. Fornwald      | Sprague & Henwood                    |
| J. F. Hoffmeister   | E. J. Longyear Company               |
| L. W. Janson        | Sprague & Henwood                    |
| Walter F. Kempe     | Christensen Diamond Products Company |
| James Koontz        | Mobile Drilling Company              |
| Mervyn Lavigne      | Wheel Trueing Tool Company           |
| Paul Maertzweiler   | Chicago Pneumatic Tool Company       |
| J. R. Mott          | B. H. Mott & Sons                    |
| Robert F. Norrick   | Acker Drill Company                  |
| G. S. Rodvold       | Christensen Diamond Products Company |
| James A. Ross       | Sprague & Henwood                    |
| Byron V. Snyder     | WABCO, Drilling Equipment Division   |
| C. T. Thompson      | American Coldset Corporation         |
| Harry L. Ward       | Joy Manufacturing Company            |
| Gale Wright         | Wheel Trueing Tool Company           |

ASSOCIATE MEMBERS PRESENT:

|                 |                    |
|-----------------|--------------------|
| J. J. Daly      | Craelius Diabor AB |
| Bertil Eckerman | Craelius Diabor AB |
| Anders Oden     | Craelius Diabor AB |

OTHERS PRESENT:

|                      |                               |
|----------------------|-------------------------------|
| R. F. Bell           | Pine Tree Engineering Company |
| W. L. MacMillan, Jr. | Secretary/Treasurer, DCDMA    |
| W. L. MacMillan, III | Executive Assistant, DCDMA    |

PRESIDING OFFICER:

Robert E. Dickinson, President

The Secretary stated that there was a quorum present.

I. APPROVAL OF MINUTES OF PREVIOUS MEETING

A motion was duly made, seconded and approved that the minutes of the March 12, 1970 General Membership Meeting in Dallas, Texas be approved as corrected by deleting the words "by the Technical Committee for Soil Sampling Equipment" from the first paragraph on page 6.

II. REPORT FOR THE EXECUTIVE COMMITTEE

President Dickinson reported for the Executive Committee:

He stated that the Executive Committee had agreed to schedule the DCDMA Meeting within the dates of April 9-14, 1972 when the Industrial Diamond Association was convening at the Camelback-Marriott in Scottsdale, Arizona. That the Diamond Wheel Manufacturers Institute was also participating and that both DCDMA and DWMI would attend the IDA Banquet on Thursday evening, April 13th.

That the Survey of Drilling Contractors had been completed and that the office was supplying the results to the Planning Committee for their future study and recommendations.

That a revision to the Form, "Members Prices of Data Forming Working Supplement to the Standards of the Diamond Core Drill Manufacturers Association", had been approved. And that this revised Form would be mailed to all members by this office.

This revision (a copy is attached as a part of these minutes) was reaffirmed on motion by Mr. Mott, seconded by Mr. Davenhall and unanimously approved.

That the assignment of the scope of masonry bits had been withdrawn as an assignment of the Statistical Committee.

That all Technical Committee Chairmen are directed to keep a Master Copy of Bulletin #3 reflecting additions and other changes.

That he and Immediate Past President Ward would act as a Constitution and By-Laws Review Committee and with the assistance

of the Secretary would make recommendations to update and refine the Constitution and By-Laws prior to the next meeting.

He reiterated DCDMA Committee Meeting policy as "Committee Members and Guests especially invited by Committee Chairman are the only persons who may attend Committee Meetings".

He stated that the Secretary would notify all Committee Chairmen that the Committees are to study the use of and advantages of, as well as care of, DCDMA tools and submit a report on how a brochure could be approached. This before the next meeting.

That the Newsletter would be continued and that Headquarters would send another out before the end of the year.

That the Executive Committee had authorized an increase in the management fee of \$500.00 annually for each of the next two years effective January 1, 1971.

That he would assist in the preparation of an Annual Budget for 1971 and possibly 1972.

The report was received.

### III. TREASURER'S REPORT

Mr. MacMillan distributed copies of the Financial Statement of the General Account for the period 1/1/70-9/30/70 and Bulletin #3 Account for the period 5/1/70-9/30/70. It showed a General Account bank balance of \$5,673.06; a Savings Account balance of \$5,094.05; a Certificate of Deposit in the amount of \$5,000.00 and \$541.60 in the Bulletin #3 account. The report was received.

### IV. COMMITTEE REPORTS

#### A. Public Relations and Planning Committees

Chairman Davenhall read the minutes of the Committee meeting which are attached to and are a part of these minutes.

He stated that the Executive Committee had authorized the purchase of 5,000 Plastic Pocket Cards as soon as possible; that the price will be ten cents each postpaid. That copy will be submitted to the Association Draftsman prior to submitting to the Executive Committee in advance of printing.

That the Executive Committee had accepted the recommendation of South Florida as the site, with April dates, for the 1971 meeting. The Secretary reported that the dates of April 21-24, 1971 had been obtained at the Doral Country Club, Miami, Florida at the direction of the Executive Committee. The membership was reminded that wives were to be especially invited to this meeting.

B. Membership and Attendance Committee

Temporary Chairman Eastman read the minutes of the Committee meeting which are attached to and are a part of these minutes.

C. Standards Committee

Co-chairman Hoffmeister read the minutes of the Committee meeting which are attached to and are a part of these minutes.

D. International Standards Committee

Chairman Hoffmeister read the minutes of the Committee meeting which are attached to and are a part of these minutes. The President then read the following Resolution as adopted by the Executive Committee.

This Resolution is a part of these minutes.

RESOLUTION

Resulting from the meeting of the International Standards Committee of the Diamond Core Drill Manufacturers Association, held on October 6, 1970, at St. Louis, Missouri, as a scheduled Committee meeting in connection with the semi-annual General Meeting of the Association.

In regard to the conduct of the activities designed to formulate International Standards Recommendations, organized under ISO TC82/WG6, it is the unanimous recommendation of the DCDMA membership and of the DCDMA associate member, Craelius Diabor AB, representatives of which participated in the formation and approval of the sentiments expressed in this resolution, that the standardization activities of ISO TC82/WG6 be conducted to the following procedure:

1. An examination and comparison of all submittals by the whole Working Group.
2. An attempt to arrive at one standard, if possible.



3. The adoption of multiple standards, if that is the decision of the Working Group as a whole, after points 1 and 2 have been exhausted.
4. The inclusion, with the issuing Standards Recommendation, and as a part of the Recommendation, of a statement which will inform the user of the essential differences in physical characteristics of the two systems, and other pertinent general information useful to the user in selecting standards suitable for his purposes.

Should, as a result of the application of these principles, it become necessary, ultimately, to publish, as an integral part of an International Standard Recommendation in two or more parts, a statement of differentiation of the type represented by point 4 above, then this statement, where it applies to standards originating with DCDMA and with Craelius Diabor AB would, to the current analysis of DCDMA, including Associate Member Craelius Diabor, read:

1. Both systems have been in use for many years, System "A" evolving from the Craelius Company of Sweden, and System "B" from the Diamond Core Drill Manufacturers Association of USA.
2. System "A" is characterized by a series of hole sizes specifically designed to "nest" closely, permitting relatively small reductions in hole diameter as the depth of hole increases, and employing relatively thin casings between hold sizes.
3. System "B" is characterized by a series of hole sizes oriented to standard pipe sizes, with relatively wide "nesting", relatively greater reduction in hole diameters as the depth of hole increases, and employing relatively heavy casings between hole sizes.
4. It should not be assumed that for comparable hole sizes. the physical properties of similar elements of the two systems are equal.

Initiation of the standardization activities of ISO TC82/WG6, as represented by an agenda conforming to the principles outlined herein, and with an understanding that any anticipated statement of differentiation between the Craelius-based standard and the DCDMA-based standard will appear as stated above, will have the support of the USA delegation and of DCDMA and of Craelius Diabor AB. It will be endorsed on a national basis by ANSI.

DCDMA requests its associate member, Craelius Diabor, as a party to this agreement, to use its good influence in the interest of

constructive progress to have the principles and sentiments of this resolution adopted and subscribed to by its National Standardization Body - SIS - and, to the extent possible by BSI and DIN, and other national bodies to which it has access.

Moved by Mr. Norrick, seconded by Mr. Fornwald that this Resolution be adopted. Motion unanimously approved with the direction that the minutes are to reflect that Mr. Eckerman of associate member Craelius Diabor AB was in complete accord with the Resolution.

E. Statistical Committee

Chairman Ross read the minutes of the Committee meeting which are attached to and are a part of these minutes.

F. Technical Committee for Drill Equipment

Chairman Braun read the minutes of the Committee meeting which are attached to and are a part of these minutes.

The President stated that the Executive Committee has decided that the Letter Ballots would be mailed from the office and that upon approval the Secretary would secure sensitive pressure label tapes for placing on page 18 of Bulletin #3 delineating the changes and that these tapes would be distributed to as many previous recipients as possible with instructions on the importance of placing in the Bulletin.

G. Technical Committee for Mechanically Set Bits

Chairman Lavigne read the minutes of the Committee meeting which are attached to and are a part of these minutes.

The President stated that the Committee was instructed to proceed with the Letter Ballot and stickers as recommended in their meeting minutes.

H. Technical Committee for Soil Sampling Equipment

Chairman Janson read the minutes of the Committee meeting which are attached to and are a part of these minutes.

The Committee was assigned the project of reviewing the design details of the split barrel, liner, flap valve and shoe considering present manufacturing and operation procedure and compatability with ASTM specifications. Also assigned authority

to contact other manufacturers, not members of DCDMA, for their design practice to be certain that DCDMA revised sheet figures reflect industry practice before proposing that revised figures be inserted in Tab Sheet 35. Previously granted authority to expand this project to auger flight timing now to include consideration of connecting pin standardization.

V.        ADJOURNMENT

There being no further business, the meeting was adjourned at 4:30 p.m. on motion properly made, seconded and unanimously approved.

William L. MacMillan, Jr.  
Secretary/Treasurer

MEMBER AND ASSOCIATE MEMBER PRICES  
OF  
DATA FORMING WORKING SUPPLEMENT  
TO THE STANDARDS OF  
THE DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION

In order to reimburse the Association, to some degree, for past expenses incurred in the development of these data, the following formula is to be used in calculating prices to members, effective March 1, 1957 (or as hereafter revised):

First year membership ...multiply minimum price by factor 5  
Second year membership ..multiply minimum price by factor 4  
Third year membership ...multiply minimum price by factor 3  
Fourth year membership ..multiply minimum price by factor 2  
Fifth year or older  
memberships .....multiply minimum price by factor 1

Prints of Tabulated Sheets .....\$5.00 each

Transparency (Brown Line Sepia) of Tabulated Sheets....\$10.00 each

\* \* \* \* \*

Issued December 1955  
Revised March 18, 1960  
Revised April 21, 1961  
Revised October 7, 1970

Diamond Core Drill Manufacturers Assn, Inc.  
53 East Main Street  
Moorestown, New Jersey 08057  
Phone: (609) 234-0330

MEMBER AND ASSOCIATE MEMBER PRICES  
OF  
DATA FORMING WORKING SUPPLEMENT  
TO THE STANDARDS OF  
THE DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION

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Phone: (609) 234-0330

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: TECHNICAL COMMITTEE FOR MECHANICALLY SET BITS

PLACE OF MEETING: DORAL COUNTRY CLUB AND HOTEL, MIAMI FLORIDA

DATE: APRIL 22, 1971

MEMBERS PRESENT:

W. F. Kempe  
L. F. Nolan  
W. L. Fornwald  
R. I. Peters  
W. J. Verby  
J. R. Mott

Christensen Diamond Products  
Diamond Products  
Sprague & Henwood  
E. J. Longyear Company  
Anton Smit & Co.  
B. H. Mott & Sons

MEMBERS ABSENT:

N. R. Stauffer  
R. L. Carlson  
H. J. Meinert

Acker Drill Co.  
Diamond Drill Contracting Co.  
J. K. Smit & Sons

OTHERS PRESENT:

Ned Miles  
J. Klipper  
R. W. Beaumont  
J. J. Daly

Christensen Diamond Products Co.  
Diamond Tool Research Co., Inc.  
American Coldset Corp.  
Atlas - Copco

PRESIDING OFFICER:

W. F. Kempe, Acting Chairman

TECHNICAL COMMITTEE FOR  
MECHANICALLY SET BITS

-1-

April 22, 1971

I. Reading and approval of previous minutes.

II. It was brought to the attention of the Committee that negative votes on Letter Ballot No. 32-70, DCD, voiced several objections although sufficient affirmative votes were cast to adopt Letter Ballot 32-70 DCD.

Discussions of negative votes by:

E. J. Longyear Company  
Christensen Diamond Products  
Sprague & Henwood  
Wheel Trueing Tool Co. (M. Lavigne)

(Copies of letters of objections in chairmans notes were read)

Letter Vallot 32-70, DCD was read by Chairman.

During discussion it was established that the purpose of the standard was to establish limits or tolerances for diamond set products which are larger than NX and that the proposed standard should not deal with allowances between bit and shell O.D. dimensions.

It was moved by Mr Fornwald that the Committee request the Executive Committee to withdraw Letter Ballot 32-70. Voted and passed.

It was moved by W. J. Verby that a new ballot on the O.D. dimension tolerances for Diamond Set products larger than NX be as follows:

O.D. Dimensions of Diamond Set Products

|   |       |
|---|-------|
| Larger than NX up to and including 4"     | +.000 |
|   | -.015 |
| Larger than 4" up to and including 5 3/4" | +.000 |
|   | -.020 |
| Larger than 5 3/4" up to and including 9" | +.000 |
|   | -.030 |

Voted and passed.

III. There being no further business, the meeting was adjourned.

Respectfully submitted,

Walter Kempe, Acting Chairman

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: PUBLIC RELATIONS & PLANNING COMMITTEES  
PLACE OF MEETING: DORAL COUNTRY CLUB AND HOTEL, MIAMI, FLORIDA  
DATE: THURSDAY, APRIL 22, 1971

MEMBERS PRESENT:

|                   |                            |
|-------------------|----------------------------|
| J. A. Ross        | Sprague & Henwood          |
| H. L. Ward        | Joy Manufacturing Co.      |
| W. W. Svendsen    | E. J. Longyear Co.         |
| Paul Maertzweiler | Chicago Pneumatic Tool Co. |
| F. W. Davenhall   | Acker Drill Company        |

MEMBERS ABSENT:

|                    |                                 |
|--------------------|---------------------------------|
| E. M. Jenkins      | Christensen Diamond Products    |
| O. C. Hoffman, Jr. | Hoffman Diamond Products        |
| D. H. Moller       | Diamond Products                |
| B. V. Snyder       | WABCO (Drilling Equipment Div.) |
| E. Larson          | E. J. Longyear                  |
| W. L. Fornwald     | Sprague & Henwood               |
| L. F. Nolan        | Diamond Products                |

PRESIDING OFFICER:

F. W. Davenhall, Chairman, Public Relations Committee

I. A joint meeting of the Public Relations and Planning Committee met at the direction of President Dickinson.

II. The minutes of our previous combined meeting were read and discussed.

III. Publicity - Bulletin No. 3

The response to News Releases on the new D.C.D.M.A. Bulletin No. 3 brought at least 200 requests from many interested readers around the United States and Canada.

PUBLIC RELATIONS COMMITTEE  
PLANNING COMMITTEE



The Association Secretary has responded and mailed form letter replies with directions for obtaining copy of the Bulletin.

IV. New Business

The committee is unanimous in encouraging the Executive Committee to plan or originate New Projects through all Committees to develop more interest.

The Committee also recommends to the Executive Committee consideration of a Symposium type meeting to be held in the Fall of 1972 or 1973.

The time of our next meeting was discussed at length and it was unanimous that this Fall Meeting precede the American Mining Congress, Las Vegas show by at least 2 weeks and that it be in Pittsburgh, Pa. This to avoid conflict with those who may participate or attend the Mining Show in October 1971.

The onemeeting a year plan was discussed but tabled for discussion at future meetings.

Since time "ran out" another matter worthy of consideration by the Association at large was omitted.

This concerns contracting for a 1/3 page advertising space in a widely circulated engineering publication in the USA and one circulated on a world wide basis.

The advertisement could consist of announcing the items covered by the D.C.D.M.A. standardization program.

If the Executive Committee should consider this the Public Relations Committee could work out the details and present a budget figure for the Association.

It is recommended by the Vice Chairman of the Public Relations Committee that a card of sympathy be sent to the Vince Burnhart family with the names of those attending this meeting and also signed by the out-going President of the D.C.D.M.A. for the entire membership and associate members.

V. Old Business

The project of working up "Use and Care" booklet on D.C.D.M.A. Standards items, was again discussed. Since no additional help on the matter has been forthcoming from the membership at large it is suggested that the matter be tabled until a favorable plan has been originated.

PUBLIC RELATIONS COMMITTEE  
PLANNING COMMITTEE

VI.        The Project

The project concerning "Plastic Cards" is still under way and this matter will be resolved perhaps before our next meeting for presentation at that time for final approval to print.

VII.       There being no further business, the meeting was adjourned.

Respectfully submitted,

Fred W. Davenhall, Chairman  
Public Relations Committee

and

W. W. Svendsen, Chairman  
Planning Committee

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: TECHNICAL COMMITTEE FOR SOIL SAMPLING EQUIPMENT

PLACE OF MEETING: DORAL COUNTRY CLUB, MIAMI, FLORIDA

DATE: THURSDAY, APRIL 22, 1971

MEMBERS PRESENT:

|                        |                     |
|------------------------|---------------------|
| L. W. Janson, Chairman | Sprague & Henwood   |
| L. A. Braun            | E. J. Longyear Co.  |
| J. Koontz              | Mobile Drilling Co. |

MEMBERS ABSENT:

|               |                           |
|---------------|---------------------------|
| R. F. Norrick | Acker Drill Company       |
| G. LaCasse    | Joy Manufacturing Co.     |
| F. C. Sturges | Pennsylvania Drilling Co. |

OTHERS PRESENT:

|            |                       |
|------------|-----------------------|
| R. F. Bell | Pine Tree Engineering |
|------------|-----------------------|

PRESIDING OFFICER:

L. W. Janson, Chairman

I. Auger Connections -

Mr. Koontz presented a comprehensive study of the "can of worms" involved with the standardization of auger connections and flight timing. After some discussion it was decided that he would present to the Association Draftsman, before the next meeting, sufficient data and dimensions for preparation of a complete study chart for committee use.

II. Thin Wall Sampler Heads -

A tabulation at the recent survey of sampler manufacturers was presented and discussed. A subcommittee composed of R. F. Norrick and L. W. Janson was appointed to study and recommend to the Committee a proposal for standardizing those dimensions which affect interchangeability.

III. There being no further business, the meeting was adjourned.

Respectfully submitted,

L. W. Janson, Chairman

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: TECHNICAL COMMITTEE FOR DRILL EQUIPMENT

PLACE OF MEETING: DORAL COUNTRY CLUB, MIAMI, FLORIDA

DATE: THURSDAY, APRIL 22, 1971

MEMBERS PRESENT:

|                       |                              |
|-----------------------|------------------------------|
| L. A. Braun, Chairman | E. J. Longyear Co.           |
| J. Koontz             | Mobile Drilling Co.          |
| L. W. Janson          | Sprague & Henwood            |
| W. F. Kempe           | Christensen Diamond Products |
| W. W. Svendsen*       | E. J. Longyear Co.           |

MEMBERS ABSENT:

|                   |                               |
|-------------------|-------------------------------|
| R. L. Carlson     | Diamond Drill Contracting Co. |
| B. V. Snyder      | WABCO (Drilling Equip. Div.)  |
| O. C. Hoffman Jr. | Hoffman Diamond Products      |
| G. LaCasse        | Joy Manufacturing Co.         |
| J. F. Hoffmeister | E. J. Longyear Co.            |
| N. R. Stauffer    | Acker Drill Company           |

OTHERS PRESENT:

|                  |                              |
|------------------|------------------------------|
| R. F. Norrick    | Acker Drill Company          |
| N. Miles         | Christensen Diamond Products |
| R. I. Peters     | E. J. Longyear Co.           |
| R. E. Dickenson* | Mobile Drilling Co.          |
| R. F. Bell       | Pine Tree Engineering        |
| J. J. Daly       | Atlas - Copco                |

PRESIDING OFFICER:

L. A. Braun, Chairman

I. Joint session with members\* of International Standards Committee on subject of new B.S.I. Proposal on I.S.O. which included new design of EWF - AWF - BWF - NWF D.T. Swivel type core barrels.

II. After Joint session, the B.S.I. Proposal was discussed and following is the Committees recommendation:

The Drill Committee does not see sufficient advantage to the EWF - AWF - BWF - NWF Core Barrels over the WM Design to justify the creation of an additional Standard C.B. with the need for new items (1) Core Bit, (2) Reaming Shell, (3) Core Lifter Case & Extra Items, (4) Inner Tube Extension and (5) Inner Tube Extension Spacer, particularly since it is the practice of U.S. manufacturers to supply "WM" Design Face Discharge Bits when requested.

We therefore, recommend that the DCDMA Representative to the I.S.O. attempt to dissuade the B.S.I. from submitting to the I.S.O. what we consider to be a redundant standard.

III. Minutes of last meeting October 6, held in St. Louis were reviewed and approved as published and distributed.

IV. Remaining time was spent on dimensions and tolerances for 2 3/4 x 3 7/8 Core Barrels for use on tabulated sheets. This will be a guide for chairman and association draftsman to fill in two larger sizes.

V. There being no further business, the meeting was adjourned.

Respectfully submitted,

L. A. Braun, Chairman

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: INTERNATIONAL STANDARDS COMMITTEE

PLACE OF MEETING: DORAL COUNTRY CLUB, MIAMI, FLORIDA

DATE: FRIDAY, APRIL 23, 1971

MEMBERS PRESENT:

W. W. Svendsen, Chairman  
W. L. Fornwald

E. J. Longyear Co.  
Sprague & Henwood

MEMBERS ABSENT:

W. L. Acker  
G. S. Rodvold  
H. J. Meinert  
E. Larson  
J. F. Hoffmeister

Acker Drill Company  
Christensen Diamond Products  
J. K. Smit & Sons  
E. J. Longyear Co.  
E. J. Longyear Co.

OTHERS PRESENT:

R. E. Dickinson  
J. J. Daly

Mobile Drilling Co.  
Atlas - Copco

PRESIDING OFFICER:

W. W. Svendsen, Chairman

I. The Committee met with, and explained the BSI Proposal for EWF through NWF BBLS to the Technical Committee for Drill Equipment, requesting an opinion from this group regarding inclusion of these items as standard.

II. A review was made of the BSI Proposal and it was felt that the DCDMA should not accept the Proposal as submitted. This is not a copy of our 57 Charts since there are items such as steel specifications, physical properties of steel, WF Barrels in sizes E through N which are not in the DCDMA 57 Charts.

The submittal was made as BSI and not as a joint submittal of DCDMA - BSI and CDDA.

INTERNATIONAL STANDARDS COMMITTEE

APRIL 23, 1971

It was also pointed out that the presentation was in metric form and not in inches. ANSI has informed all members that ISO has a policy not to exclude the inch presentation. It was felt that the presentation should be in both forms.

III. There being no further business before the committee, the meeting was adjourned.

Respectfully submitted,

W. W. Svendsen, Chairman



DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: STANDARDS COMMITTEE

PLACE OF MEETING: DORAL COUNTRY CLUB, MIAMI, FLORIDA

DATE: FRIDAY, APRIL 23, 1971

MEMBERS PRESENT:

W. W. Svendsen

L. A. Braun

L. W. Janson

E. J. Longyear Co.

E. J. Longyear Co.

Sprague & Henwood

MEMBERS ABSENT:

J. F. Hoffmeister

F. C. Sturges

M. Lavigne

E. J. Longyear Co.

Pennsylvania Drilling Co.

Wheel Trueing Tool Co.

OTHERS PRESENT:

R. F. Bell

J. J. Daly

Pine Tree Engineering

Atlas - Copco

PRESIDING OFFICER:

W. W. Svendsen

I. Minutes of the meeting held October 7, 1970 were read and approved.

II. It was reported that a price for sale of our 57 Charts had been established although the minutes indicate that a price would be recommended at this meeting.

III. The Chairman of the Technical Committee for Drill Equipment reported that their committee recommends that we urge BSI to drop the EWF through NWF Series of BBLs. Shown in the BSI Proposal. This Proposal was to be a joint proposal and we do not feel that another BBL is justified.

We should also take note of the physical and chemical specifications shown in the proposal as this does not conform with our 57 Charts.

IV. The Committee suggested that new pages or stick on pieces be printed to allow correcting our Bulletin #3.

Pages 7 - BWT BBLS

18 - Mat'l Specifications

19 - I.D. of WY Rods

should be corrected. Suggestions for corrections should be requested.

V. It is suggested that the Technical Committee for Mechanically Set Bits review page 7 of Recommended Design Practices to determine if this does not give them the answer to tolerance ranges for Bits and Shells. This would resolve the question of the recent letter ballot.

VI. There being no further business before the Committee, the meeting was adjourned.

Respectfully submitted,

W. W. Svendsen

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: EXECUTIVE COMMITTEE

PLACE OF MEETING: DORAL COUNTRY CLUB AND HOTEL, MIAMI, FLORIDA

DATE: APRIL 23, 1971

MEMBERS PRESENT:

|                     |                         |
|---------------------|-------------------------|
| Robert E. Dickinson | Mobile Drilling Company |
| J. R. Mott          | B. H. Mott & Sons       |
| Robert F. Norrick   | Acker Drill Company     |
| James A. Ross       | Sprague & Henwood       |
| W. J. Verby         | Anton Smit & Co.        |
| Harry L. Ward       | Joy Manufacturing Co.   |

MEMBERS ABSENT

|               |                                  |
|---------------|----------------------------------|
| H. J. Meinert | J. K. Smit & Sons                |
| E. M. Jenkins | Christensen Diamond Products Co. |

STAFF PRESENT:

|                           |                     |
|---------------------------|---------------------|
| William L. MacMillan, Jr. | Secretary/Treasurer |
|---------------------------|---------------------|

PRESIDING OFFICER:

Robert E. Dickinson, Chairman who called the meeting to order at 9:35 A.M.

I. APPROVAL OF MINUTES OF PREVIOUS MEETING

A motion was made by Mr. Verby, seconded by Mr. Ross that the minutes of the October 7, 1970 meeting be received as previously distributed.

II. FINANCIAL REPORT

Copies of the Audit for the year ending December 31, 1970 and an interim statement for the period from January 1, 1971 through

EXECUTIVE COMMITTEE

April 23, 1971

March 31, 1971 were distributed and discussed. Comments made for direction to the bookkeeper and the auditor were that the copies of Bulletin #3 on hand should be shown as an asset and that it be contained as part of the General Account. As Bulletins are sold the assets decrease. Printing expenses incurred for Bulletin #3 be shown under Printing Expenses in the General Account. Under Meeting Expenses separate and show expenses of both meetings. Reports and audits to show comparison of previous year's expenditures with the present item by item. It was noted that the Savings Account was not included in the interim report. The report was received with direction to distribute at the Membership Meeting and that an interim report from the first of the year be available at the October, 1971 Meeting.

### III. AVAILABILITY OF MEMBERSHIP ROSTER POLICY

By motion properly made, seconded and unanimously approved it was made association policy that the Membership Directory is not to be made available to other than members.

### IV. CORRESPONDENCE

The Secretary/Treasurer read the February 16, 1971 letter from Merv Lavigne resigning as Chairman of the Technical Committee for Mechanically Set Bits. The resignation was noted with regret and the fact that M. W. Luoma had replaced Mr. Lavigne as Executive Voting Representative for Wheel Trueing Tool Company.

### V. REVIEW OF OLD BUSINESS

#### A. APRIL, 1972 MEETING

The Secretary reported that plans were proceeding well for the combined meeting at the Marriott-Camelback Inn, Scottsdale, Arizona within the April 9-14, 1972 dates of the Annual Convention of the Industrial Diamond Association of America. He stated that the Diamond Wheel Manufacturers Institute would also be meeting during this Convention and that each of the three Associations were requested to present a paper at the Wednesday morning, April 12 Technical Session. The Secretary was directed to project DCDMA's schedule within this framework as closely as possible: Committee meetings possibly on Tuesday evening, April 11; Wednesday morning, Combined Technical Session; Committee meeting Wednesday afternoon and possibly during the evening: Thursday morning, Executive Committee meeting; Thursday afternoon, Annual Meeting at 3 P.M.; Thursday evening attend IDA Annual Banquet.

B. The Secretary reported that the Pressure Sensitive Label Tapes for page 18 of Bulletin #3 had been received and shipped to quantity Bulletin #3 buyers; were being mailed to single copy purchasers and that all on hand would have the tapes placed in them before Bulletins are sent out.

C. Mr. Ross reported on his attendance at the Silver Anniversary Convention of the Industrial Diamond Association of America, February 28-March 5, 1971 representing DCDMA.

#### VI. REPORT OF PUBLIC RELATIONS AND PLANNING COMMITTEES

Chairman Davenhall read the minutes of the meeting of both Committees which had been held jointly. The minutes of the meeting of these Committees is included as an addendum to these minutes. On motion by Mr. Verby, seconded by Mr. Ward and unanimously approved the report was accepted.

The Executive Committee directed the Planning Committee to present plans and recommendations for a Symposium in the Fall of 1972 or 1973 at the October meeting. The Secretary to investigate the availability and costs of using Battelle Memorial Institute, Columbus, Ohio for such a meeting.

The Executive Committee directed the Public Relations Committee to include costs of printing the plastic cards as part of their report at the next Membership Meeting.

#### VII. REPORT OF THE MEMBERSHIP AND ATTENDANCE COMMITTEE

Acting Chairman Ross reporting verbally stated that those in attendance at the Committee recommended that guide lines be drawn up to assist the Secretary in handling membership applications. Report received.

The Secretary to write applicant Dresser Industries, Inc. P.O. Box 24647, Dallas, Texas and question them concerning scope items manufactured in the United States. Also is directed to contact Koebel Diamond Tool Company, 9456 Grinnell Avenue, Detroit, Michigan, stating need of a catalog or sheet indicating scope items manufactured by Koebel.

VIII. REPORT OF THE STANDARDS COMMITTEE

Acting Chairman W. W. Svendsen read the minutes of the Committee Meeting which are included as an addendum to these minutes. Moved by Mr. Norrick, seconded by Mr. Mott that the report be accepted. Unanimously approved.

IX. REPORT OF THE INTERNATIONAL STANDARDS COMMITTEE

Chairman Svendsen read the minutes of the Committee Meeting which are included as an addendum to these minutes. On motion by Mr. Verby, seconded by Mr. Norrick and unanimously carried the report was accepted.

X. REPORT OF THE TECHNICAL COMMITTEE FOR DRILL EQUIPMENT

Chairman Braun read the minutes of the meeting of the Committee which are included as an addendum to these minutes. Moved by Mr. Ward, seconded by Mr. Norrick and unanimously carried that the report be accepted.

The Executive Committee assigned the study of the possibility of standardization of all or part of wire line drilling systems to the Committee.

XI. REPORT OF THE TECHNICAL COMMITTEE FOR MECHANICALLY SET BITS

Acting Chairman Kempe read the minutes of the meeting of Committee which included a recommendation that Letter Ballot 32-70 be withdrawn and that a new ballot on the O.D. dimension tolerances for Diamond Set products larger than NX be considered. On motion by Mr. Verby, seconded by Mr. Mott and unanimously approved the report was accepted.

These minutes to reflect that the Executive Committee recommends that Letter Ballot 32-70 be set aside and that further study be instituted before the Letter Ballot is redone.

XII. REPORT OF THE TECHNICAL COMMITTEE FOR SOIL SAMPLING EQUIPMENT

Chairman Janson read the minutes of the Committee Meeting which are included as an addendum to these minutes. On motion by Mr. Norrick, seconded by Mr. Ward and unanimously carried the report was accepted.

XIII. STATISTICAL COMMITTEE

Chairman Ross reported that there was no necessity for a meeting of the Statistical Committee.

XIV. RESEARCH TECHNICAL COMMITTEE FOR DRILL EQUIPMENT MINUTES

The Secretary to research the Minutes of the Technical Committee for Drill Equipment beginning with the meeting in Dearborn, Michigan in 1965 for references to Wall Thickness of BX and NX Flush Coupled Casings standards. Whatever this research discloses to be circulated among the Executive Committee.

XV. BULLETIN #3 AND INTERNATIONAL SYMPOSIUMS AND MEETINGS

The President to supply the Secretary with names and addresses of persons to contact concerning the possibility of exposing the availability of Bulletin #3 at such meetings. Mr. Ross to report on an International Meeting he will be attending.

XVI. ADJOURNMENT

There being no further business, the meeting was adjourned at 1:45 P.M.

William L. MacMillan, Jr.  
Secretary/Treasurer

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES:

ANNUAL BUSINESS MEETING

PLACE OF MEETING:

DORAL COUNTRY CLUB AND HOTEL, MIAMI, FLORIDA

DATE:

APRIL 24, 1971

MEMBERS PRESENT:

Acker Drill Co., Inc.  
American Coldset Corp.  
Chicago Pneumatic Tool Co.  
Christensen Diamond Products Co.  
Diamond Products, Inc.  
Diamond Tool Research Co., Inc.  
Drilling Accessory & Mfgr. Co., Inc.  
Joy Manufacturing Co.  
E. J. Longyear Co.  
Mobile Drilling Co., Inc.  
B. H. Mott & Sons, Inc.  
Anton Smit & Co., Inc.  
Sprague & Henwood, Inc.

Robert F. Norrick  
Fred W. Davenhall  
Richard W. Beaumont  
Paul Maertzweiler  
Walter Kempe  
Ned Miles  
Leo Nolan  
Joseph Klipper  
Raymond Jones  
Harry L. Ward  
L. A. Braun  
R. E. Dickinson  
James Koontz  
J. R. Mott  
William J. Verby  
James A. Ross  
W. L. Fornwald  
L. W. Janson

OTHERS PRESENT:

Koebel Diamond (guest)  
Pine Tree Engineering Company  
DCDMA Secretary/Treasurer

G. Arthur Redebaugh  
R. F. Bell  
William L. MacMillan, Jr.

PRESIDING OFFICER:

Robert E. Dickinson, President

ANNUAL BUSINESS MEETING

-1-

APRIL 24, 1971



The President introduced Stefan Gartner, Jr., Assistant Professor, Division of Marine Geology and Geophysics, University of Miami, Miami, Florida who spoke on "Joides Deep Sea Drilling".

The Secretary confirmed that there was a quorum present.

The President requested a moment of silent prayer in memory of long time member Vincent R. Burnhart of the E. J. Longyear Co. who had died since the last meeting.

I. APPROVAL OF MINUTES OF PREVIOUS MEETING

A motion made by Mr. Mott, seconded by Mr. Janson and approved that the minutes of the October 7, 1970 General Membership Meeting in St. Louis, Missouri be approved as previously printed and distributed.

II. REPORT FOR THE EXECUTIVE COMMITTEE

President Dickinson reported for the Executive Committee:

He stated that the copies of the Audit for the year ending December 31, 1970 had been distributed to all in attendance and that it was the feeling of the Executive Committee that expenses will level out with income by the close of 1971 resulting in a closer comparison with 1970. In 1970 we sponsored a Contractors Day at the Spring Meeting which because of the luncheon and attendance by some of the Contractors at the Association Banquet had caused an unusual increase in Meeting Expenses during the year.

That unless approval is granted by the Executive Committee the DCDMA Roster was not available to other than the members.

That plans were proceeding well for the Annual Meeting within the dates of the April 9-14, 1972 Convention of the Industrial Diamond Association of America at the Camelback-Marriott in Scottsdale, Arizona. That the Diamond Wheel Manufacturers Institute would also be meeting there at the same time and that each association was expected to present a paper at the Technical Session on Wednesday morning, April 12..

That beginning with the October, 1971 meeting in Pittsburgh, Pennsylvania, the Public Relations and the Planning Committees would again be meeting separately.

That the planning Committee had been assigned to begin preparations for a Symposium on Drilling sponsored by DCDMA within the next few years.

That the Technical Committee for Drill Equipment is to study the standardization of wire line equipment.

That the Technical Committee for Mechanically Set Bits had circulated Letter Ballot 32-70 but because of criticism received the Committee recommended and the Executive Committee confirmed that it be withdrawn and more study made before recirculating the Ballot.

Moved by Mr. Janson, seconded by Mr. Ward that Letter Ballot 32-70 be rescinded. Motion unanimously approved.

The President further reported that the Executive Committee discussed distribution of Bulletin #3 at International Symposiums of Allied Societies and Associations. The Secretary to contact the American Mining Congress to seek a method at the October Las Vegas Show.

The Secretary to investigate and research the Technical Committee for Drill Equipment minutes, records etc. by contacting the Executive Committee and previous Technical Committee members in regards to final outcome including drawings concerned with Letter Ballot 24-67.

That the Secretary had notified all Committee Chairmen that they were to study the use of and advantages of, as well as care of, DCDMA tools and submit a report on how a brochure with this information could be approached; but that there was nothing to report on this at this meeting.

The report was received.

### III. COMMITTEE REPORTS

#### A. PUBLIC RELATIONS AND PLANNING COMMITTEES

F. W. Davenhall, Chairman of the Public Relations Committee read the minutes of the Committee meeting which are attached to and are a part of these minutes.

He reported that the October Meeting would be scheduled in October, 1971 two weeks after the American Mining Congress Show in Las Vegas and that it would be in Pittsburgh, Pennsylvania.

B. MEMBERSHIP AND ATTENDANCE COMMITTEE

Acting Chairman Ross reported verbally that those in attendance recommended that guide lines be drawn up to assist the Secretary in handling membership applications.

C. STANDARDS COMMITTEE

The President read the minutes of the Committee Meeting for Acting Chairman Svendson which are attached as part of these minutes.

D. INTERNATIONAL STANDARDS COMMITTEE

The President stated that J. F. Hoffmeister had resigned as Chairman of this Committee and that Mr. Svendson had been appointed as Chairman. He read the minutes of the Committee meeting which are attached as a part of these minutes.

E. STATISTICAL COMMITTEE

No report.

F. TECHNICAL COMMITTEE FOR DRILL EQUIPMENT

L. A. Braun, Chairman of the Technical Committee for Drill Equipment read the minutes of the Committee Meeting which are attached to and are a part of these minutes.

G. TECHNICAL COMMITTEE FOR MECHANICALLY SET BITS

Acting Chairman, W. F. Kempe read the minutes of the Technical Committee for Mechanically Set Bits which are attached to and are a part of these minutes.

H. TECHNICAL COMMITTEE FOR SOIL SAMPLING EQUIPMENT

L. W. Janson, Chairman of the Technical Committee for Soil Sampling Equipment read the minutes of the Committee Meeting which are attached to and are a part of these minutes.

IV. OLD BUSINESS

None

V. NEW BUSINESS

Mr. Kempe mentioned the association's previous practice of supplying Committee Chairmen with Kits which included previous minutes and details on working programs of the Committees. The President to investigate this with the Secretary.

VI. REPORT OF THE NOMINATING COMMITTEE

Chairman Harry L. Ward submitted the following slate of Executive Committee and officer nominations.

For three year terms on the Executive Committee:  
John F. Hoffmeister and Byron V. Snyder  
For reelection and to serve an additional one year:  
For President, Robert E. Dickinson  
For Vice President, Robert F. Norrick

President Dickinson asked for nominations from the floor. There being none, the Secretary was directed to cast one unanimous ballot for the election of the slate as presented.

VII. ADJOURNMENT

There being no further business, the meeting was adjourned at 11:30 A.M. on motion properly made, seconded and unanimously approved.

Reported by:

William L. MacMillan, Jr.  
Secretary/Treasurer

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES:

ANNUAL BUSINESS MEETING

PLACE OF MEETING:

DORAL COUNTRY CLUB AND HOTEL, MIAMI, FLORIDA

DATE:

APRIL 24, 1971

MEMBERS PRESENT:

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Raymond Jones

Harry L. Ward

L. A. Braun

R. E. Dickinson

James Koontz

J. R. Mott

William J. Verby

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L. W. Janson

OTHERS PRESENT:

Koebel Diamond (guest)

Pine Tree Engineering Company

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G. Arthur Redebaugh

R. F. Bell

William L. MacMillan, Jr.

PRESIDING OFFICER:

Robert E. Dickinson, President

ANNUAL BUSINESS MEETING

-1-

APRIL 24, 1971

The President introduced Stefan Gartner, Jr., Assistant Professor, Division of Marine Geology and Geophysics, University of Miami, Miami, Florida who spoke on "Joides Deep Sea Drilling".

The Secretary confirmed that there was a quorum present.

The President requested a moment of silent prayer in memory of long time member Vincent R. Burnhart of the E. J. Longyear Co. who had died since the last meeting.

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He stated that the copies of the Audit for the year ending December 31, 1970 had been distributed to all in attendance and that it was the feeling of the Executive Committee that expenses will level out with income by the close of 1971 resulting in a closer comparison with 1970. In 1970 we sponsored a Contractors Day at the Spring Meeting which because of the luncheon and attendance by some of the Contractors at the Association Banquet had caused an unusual increase in Meeting Expenses during the year.

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That plans were proceeding well for the Annual Meeting within the dates of the April 9-14, 1972 Convention of the Industrial Diamond Association of America at the Camelback-Marriott in Scottsdale, Arizona. That the Diamond Wheel Manufacturers Institute would also be meeting there at the same time and that each association was expected to present a paper at the Technical Session on Wednesday morning, April 12..

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That the Technical Committee for Mechanically Set Bits had circulated Letter Ballot 32-70 but because of criticism received the Committee recommended and the Executive Committee confirmed that it be withdrawn and more study made before recirculating the Ballot.

Moved by Mr. Janson, seconded by Mr. Ward that Letter Ballot 32-70 be rescinded. Motion unanimously approved.

The President further reported that the Executive Committee discussed distribution of Bulletin #3 at International Symposiums of Allied Societies and Associations. The Secretary to contact the American Mining Congress to seek a method at the October Las Vegas Show.

The Secretary to investigate and research the Technical Committee for Drill Equipment minutes, records etc. by contacting the Executive Committee and previous Technical Committee members in regards to final outcome including drawings concerned with Letter Ballot 24-67.

That the Secretary had notified all Committee Chairmen that they were to study the use of and advantages of, as well as care of, DCDMA tools and submit a report on how a brochure with this information could be approached; but that there was nothing to report on this at this meeting.

The report was received.

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B. MEMBERSHIP AND ATTENDANCE COMMITTEE

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The President stated that J. F. Hoffmeister had resigned as Chairman of this Committee and that Mr. Svendsen had been appointed as Chairman. He read the minutes of the Committee meeting which are attached as a part of these minutes.

E. STATISTICAL COMMITTEE

No report.

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IV. OLD BUSINESS

None

V. NEW BUSINESS

Mr. Kempe mentioned the association's previous practice of supplying Committee Chairmen with Kits which included previous minutes and details on working programs of the Committees. The President to investigate this with the Secretary.

VI. REPORT OF THE NOMINATING COMMITTEE

Chairman Harry L. Ward submitted the following slate of Executive Committee and officer nominations.

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For reelection and to serve an additional one year:  
For President, Robert E. Dickinson  
For Vice President, Robert F. Norrick

President Dickinson asked for nominations from the floor. There being none, the Secretary was directed to cast one unanimous ballot for the election of the slate as presented.

VII. ADJOURNMENT

There being no further business, the meeting was adjourned at 11:30 A.M. on motion properly made, seconded and unanimously approved.

Reported by:

William L. MacMillan, Jr.  
Secretary/Treasurer

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION

Special Meeting - Constitution & By-Laws Committee - November 3, 1971  
Pittsburgh, Penna.

Morning Session: 9:00 A.M.

Attended by: R. E. Dickinson, Chairman, Frank C. Sturges,  
E.M. Jenkins, Harry L. Ward, William L. MacMillan, Jr.

Discussion:

The Committee was assigned the duty of review and revision, if necessary, of the current constitution and by-laws of the DCDMA. The Committee reviewed, briefly, the previous actions, suggestions, and revisions that were available from the Secretary's office and found these files lacking any positive criteria for revision of the present documents.

The Committee then decided that before any further activity could take place, it should explore the possibilities of broadening the standardization program to include drilling tools and machines not now encompassed by the present scope of the Association, and perhaps this was the only basis for document revisions. It further decided that the Committee was too small (not representative enough) to explore that possibility.

The Committee then decided to call a special meeting at 4:00 P.M. (same day) of all EVR's attending the convention for the purpose of exploring the possibility of scope extension and this was done. The meeting was adjourned temporarily until 4:00 P.M.

Afternoon Session - 4:00 P.M.

Attended by: R. E. Dickinson, Harry L. Ward, E.M. Jenkins, J.A. Ross,  
Frank C. Sturges, J. R. Mott, Robert R. Norrick, William  
J. Verby, W. W. Svendsen, B. V. Snyder, P. J. Nicklas  
\*R. Janowitz and DCDMA Secretary/Treasurer William L.  
MacMillan, Jr.

\* Not EVR's but in attendance as company representatives

Discussion:

The Committee resumed discussion on the morning topic. Basically, the question was: "Do we want the Association to keep the same basic structure as it now is (with the same scope product standards) or do we want to expand the activities of the Association by broadening the base of standardization to include other drilling tools and machines

in related fields." This discussion resulted in a unanimous declaration of support for expanding the base of standardization. From this discussion, the following points were made in favor of the decision:

1. DCDMA leadership in International Standardization is necessary if we are to stay alive.
2. The product scope has, in fact, expanded itself through the regular activities of most member firms and is a significant factor in our economy today.
3. The real purpose of our Association is standardization, and this is the task we are obligated to undertake in its broadest form.

This report to reflect for the record that on motion made by Mr. Verby, seconded by many and unanimously approved that steps be taken to broaden the scope of membership definition and that guidelines be established by Committee and that this not be subject to later Committee approval.

Each EVR will be asked to submit, in writing to the Secretary, a list of tools and/or equipment that in the opinion of his company should be considered for inclusion within the scope of the Association. All submittals will be condensed and tabulated and returned to all EVR's for further comment. These comments shall be forwarded to the Secretary for transmittal to the special Constitution and By-Laws Committee who will meet to discuss the feasibility to then re-write the Constitution and By-Laws, as directed.

Reported by  
R. E. Dickinson, President

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION  
53 East Main Street  
Moorestown, New Jersey 08057

MINUTES: GENERAL MEMBERSHIP MEETING  
PLACE OF MEETING: PITTSBURGH HILTON HOTEL, PITTSBURGH, PENNA.  
DATE: NOVEMBER 4, 1971

MEMBERS PRESENT:

|                                  |                    |
|----------------------------------|--------------------|
| Acker Drill Co., Inc.            | F. W. Davenhall    |
| Chicago Pneumatic Tool Co.       | R. F. Norrick      |
| Christensen Diamond Products Co. | R. W. Peterson     |
|                                  | Walter Kempe       |
|                                  | Ned Miles          |
| Diamond Products, Inc.           | G. S. Rodvold      |
| Diamond Tool Research Co.        | Leo Nolan          |
| Hoffman Diamond Products, Inc.   | Saul B. Schier     |
| Joy Manufacturing Co.            | W. H. Hampton, III |
| Koebel Diamond Tool Co.          | H. L. Ward         |
|                                  | Robert Janowitz    |
| E. J. Longyear Co.               | G. A. Redebaugh    |
|                                  | L. A. Braun        |
|                                  | J. F. Hoffmeister  |
|                                  | R. I. Peters       |
|                                  | W. W. Svendsen     |
| Mobile Drilling Co., Inc.        | R. E. Dickinson    |
|                                  | James Koontz       |
| B. H. Mott & Sons, Inc.          | Robert Mott        |
| Pennsylvania Drilling Co.        | F. C. Sturges      |
| Anton Smit & Co.                 | W. J. Verby        |
| Sprague & Henwood, Inc.          | W. F. Fornwald     |
|                                  | L. W. Janson       |
|                                  | Adrian E. Ross     |
|                                  | James A. Ross      |
| Westinghouse Air Brake Co.       | Byron Snyder       |
| Wheel Trueing Tool Co.           | J. P. Niklas       |
|                                  | Gale Wright        |

ASSOCIATE MEMBERS PRESENT

Craelius Diabor A.B.

J. J. Daly  
Anders Oden

GENERAL MEMBERSHIP MEETING

-1-

NOVEMBER 4, 1971

OTHERS PRESENT:

Pine Tree Engineering Company  
Secretary/Treasurer, DCDMA

R. F. Bell  
W. L. MacMillan, Jr.

PRESIDING OFFICER:

Robert E. Dickinson, President

The meeting was called to order at 3:30 P.M.

The Secretary reported that a quorum was present.

I. APPROVAL OF MINUTES OF PREVIOUS MEETING

A motion was made by Mr. Mott, seconded by Mr. Davenhall that the minutes of the April 24, 1971 Annual Business Meeting in Miami, Florida be approved as previously distributed. Motion carried unanimously.

II. EXECUTIVE COMMITTEE REPORT

The President reported for the Executive Committee.

He stated that the Committee had thoroughly reviewed and discussed the Operating Statement (Interim Report) through October 31, 1971 as well as the Proposed Budget for 1972. While the Operating Statement and Balance Sheet were received as submitted, it was brought to the members attention that the Committee was aware of the fact that Expenses were exceeding Income by approximately \$3,000.00 annually. The Proposed 1972 Budget is to include \$1,500.00 to cover expenses for attendance at ISO meetings; \$9,500.00 for annual Management Fee instead of the previously voted \$10,000.00; ~~(Pine Tree Meeting Expense~~ <sup>re Committee</sup> item of \$750.00; under Meeting Expense eliminate \$60.00 for folders and change Registration expenses from \$35.00 to \$25.00. After submitting the Proposed Budget reflecting these changes to the President for finalization, the Executive Voting Representatives to be letter balloted for approval of the 1972 Budget. The Secretary to supply the President with a comprehensive breakdown of xeroxing, printings, postage and newsletter costs for

1971 to date and that he will decide whether a before the end of the year newsletter is necessary.

That the Constitution and By-Laws Committee had met as had all EVR's in attendance to further discuss and make recommendations to broaden the scope of membership definition. A report of these meetings to be sent to all EVR's and that they will be requested by the Secretary to make submissions in writing of a list of tools and/or equipment that in the opinion of his company should be considered for inclusion within the scope of the Association. After condensing and tabulating the submittals will be returned to the EVR's for further comment. After receiving these comments, the Secretary will transmit to the Constitution and By-Laws Committee who will meet to discuss the feasibility and to then rewrite the Constitution & By-Laws, as directed. The report of the meetings is attached to and is a part of these minutes.

The President requested the Secretary to review the schedule and arrangements for the Annual Meeting when DCDMA will be meeting with the Industrial Diamond Association of America and the Diamond Wheel Manufacturers Institute at Scottsdale, Arizona. He reported that Committee meetings are scheduled for Tuesday, April 11, 1972 which means that members should be checking into the Marriott-Camelback on Monday, April 10th. Mr. Hoffmeister to present a paper on International Standards as DCDMA's participation in the Technical Session on Wednesday morning, April 12th. The Annual Business Meeting will take place on Thursday and that DCDMA members will attend the IDA Reception and Banquet that evening in lieu of our usual Annual Dinner. And, that DCDMA will assume a pro-rata cost of members attending IDA social functions during this combined meeting.

The report was received.

### III. TREASURERS REPORT

The Treasurer reported that the Operating Statement for the period 1/1/71 through 10/31/71 showed a General Account bank balance of \$5,167.22; a Savings Account balance of \$5,420.00; a Certificate of Deposit in the amount of \$4,000.00; Bulletin #3 inventory of 2550 copies at \$2.00 each - total worth \$5,100.00 and \$100.00 in Accounts Receivable. Total assets \$19,787.66. The report was received.

#### IV. COMMITTEE REPORTS

##### A. STANDARDS COMMITTEE

Walter F. Kempe, Chairman of the Standards Committee read the report of the Committee Meeting which is attached to and is a part of these minutes. Report received. The Executive Committee has the responsibility of finalizing changes in Bulletin #3 and forwarding to the Standards. Also, to establish suggested copy for Letter Ballots requested by Technical Committees and Technical Committee Chairman are so informed.

##### B. TECHNICAL COMMITTEE FOR SOIL SAMPLING EQUIPMENT

Committee Chairman James Koontz read the report which is attached to and is a part of these minutes. The report was received.

##### C. PLANNING COMMITTEE

Harry L. Ward, Chairman, presented the report which is attached to and is a part of these minutes. The report was received. The Secretary will poll the membership for suggestions on topics and persons willing to present papers at a DCEA Drilling Symposium that could be held in October, 1973. The Executive Committee reaffirmed the Committee's recommendation not to co-sponsor an International Industrial Diamond Symposium in 1974 with the Industrial Diamond Association.

##### D. TECHNICAL COMMITTEE FOR DRILL EQUIPMENT

Committee Chairman L. A. Braun read the report which is attached to and is a part of these minutes. The report was received. The matter of material specifications for the I.S.O. proposal was referred back to the Committee for restudy and recommendations.

##### E. TECHNICAL COMMITTEE FOR MECHANICALLY SET BITS

The report as presented by Chairman W. L. Fornwald is attached to and is a part of these minutes. The report was received.

#### F. INTERNATIONAL STANDARDS COMMITTEE

Chairman W. W. Svendsen reviewed the resolutions from the London meeting which he and President Dickinson attended. He then read the report of the Committee meeting which is attached to and is a part of these minutes. The report was received. The Committee to submit DCDMA Standards on Tapered Thread Rods to I.S.O.

#### G. PUBLIC RELATIONS COMMITTEE

Leo F. Nolan, Committee Chairman, read the Committee report which is attached to and is a part of these minutes. The report was received. Headquarters to survey the membership to determine possible company requirements for plastic cards and of repros of the Association emblem to the members with a cover letter suggesting possible uses. The Secretary to obtain estimates on costs, prior to the April, 1972 Meeting, of a DCDMA brochure similar to the IDA's with member company names listed in the brochure.

#### H. STATISTICS COMMITTEE

Chairman, James A. Ross, read the report which is attached to and is a part of these minutes. The report was received. The Statistics Committee will meet with the Planning Committee in April, 1972.

#### I. MEMBERSHIP COMMITTEE

J. R. Mott, Chairman, stated that the Committee could not meet as the members of the Committee were in other meetings at the scheduled time. He stated that several applications were being processed. The verbal report was received. The Committee was charged with recommending ways of increasing association membership in addition to examining applications and making recommendations to the Executive Committee. They are also to consider Contractors as Associate Members.

The President stated that the Executive Committee had negated a previous motion authorizing mailing 200 additional complimentary copies of Bulletin #3 to Colleges and Universities; however, a



complimentary copy will be supplied to Universities and Colleges upon receipt of a written request. Also, that the Standards for NX and BX Flush Coupled Casings has been referred back to the Technical Committee for Drill Equipment.

The President informed those in attendance that the Secretary/Treasurer had voluntarily offered to not accept the \$500.00 management fee which was to begin on January 1, 1972 in light of the association's financial situation.

V. There being no further business, the meeting was adjourned at 4:30 P.M. on motion by Mr. Ward, seconded by Mr. Svendsen and unanimously approved.

Reported by:

William L. MacMillan, Jr.  
Secretary/Treasurer

after approval by

Robert E. Dickinson  
President

Special Meeting - Constitution & By-Laws Committee - November 3, 1971  
Pittsburgh, Penna.

Morning Session: 9:00 A.M.

Attended by: R. E. Dickinson, Chairman, Frank C. Sturges,  
E.M. Jenkins, Harry L. Ward, William L. MacMillan, Jr.

Discussion:

The Committee was assigned the duty of review and revision, if necessary, of the current constitution and by-laws of the DCDMA. The Committee reviewed, briefly, the previous actions, suggestions, and revisions that were available from the Secretary's office and found these files lacking any positive criteria for revision of the present documents.

The Committee then decided that before any further activity could take place, it should explore the possibilities of broadening the standardization program to include drilling tools and machines not now encompassed by the present scope of the Association, and perhaps this was the only basis for document revisions. It further decided that the Committee was too small (not representative enough) to explore that possibility.

The Committee then decided to call a special meeting at 4:00 P.M. (same day) of all EVR's attending the convention for the purpose of exploring the possibility of scope extension and this was done. The meeting was adjourned temporarily until 4:00 P.M.

Afternoon Session - 4:00 P.M.

Attended by: R. E. Dickinson, Harry L. Ward, E.M. Jenkins, J.A. Ross, Frank C. Sturges, J. R. Mott, Robert R. Norrick, William J. Verby, W. W. Svendsen, B. V. Snyder, P. J. Nicklas  
\*R. Janowitz and DCDMA Secretary/Treasurer William L. MacMillan, Jr.

\* Not EVR's but in attendance as company representatives

Discussion:

The Committee resumed discussion on the morning topic. Basically, the question was: "Do we want the Association to keep the same basic structure as it now is (with the same scope product standards) or do we want to expand the activities of the Association by broadening the base of standardization to include other drilling tools and machines

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION

COMMITTEE: Standards

DATE: November 4, 1971  
Pittsburgh Hilton, Pittsburgh, Pa.

CHAIRMAN: Walter F. Kempe

|                    |                       |                               |
|--------------------|-----------------------|-------------------------------|
| MEMBERS ATTENDING: | W. F. Kempe, Chairman | Christensen Diamond Products  |
|                    | L. A. Braun           | E. J. Longyear Co.            |
|                    | W. L. Fornwald        | Sprague & Henwood, Inc.       |
|                    | J. L. Koontz          | Mobile Drilling Co.           |
|                    | W. H. Hampton, III    | Hoffman Diamond Products, Inc |

|                   |                 |                              |
|-------------------|-----------------|------------------------------|
| GUESTS ATTENDING: | W. W. Svendsen  | E. J. Longyear Co.           |
|                   | Frank Sturges   | Pennsylvania Drilling Co.    |
|                   | Ray Bell        | Pine Tree Engineering Co.    |
|                   | J. J. Daly      | Craelius                     |
|                   | Anders Odin     | Craelius                     |
|                   | R. I. Peters    | E. J. Longyear               |
|                   | Robert Janowitz | Koebel Diamond Tool Co.      |
|                   | P. J. Niklas    | Wheel Trueing Tool Co.       |
|                   | Gale Wright     | Wheel Trueing Tool Co.       |
|                   | W. E. Decker    | Hoffman Diamond Products Co. |

W. L. Fornwald was appointed as Vice Chairman to act when the chairman is absent.

Item #1 Maintaining and keeping Bulletin #3 up-to-date as well as the tabulated sheets.

Item #2 Study of metrication of the U.S.A. and its effect on the DCDMA.

Minutes of the previous meeting were reviewed. The question of responsibility for distribution of correction stickers was raised. The chairman to have the answer by the next meeting.

An exchange of thought on item #2 took place until the meeting was adjourned at 9:30 A.M.

Soil Sampling Committee Report  
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Item #3 Solid Augers: Auger connections were discussed. Mr. Koontz proposed extending the consideration beyond the existing experimental specification to include U-Pin size, socket O.D., Holesize, auger O.D., U-Pin and flight orientation. Blank charts were distributed for gathering manufacturers dimensions for tabulation. Each member will provide as much information as possible to the chairman. Target for the next meeting is to decide on what dimensions are required for standardization and begin selecting the dimensions as a result of reviewing the tabulations.

Item #4 Soil Sampling Nomenclature: It was suggested that a nomenclature for soil sampling is needed. Action: Mr. Koontz will begin the development of this for review by the committee members no later than the next meeting.

Item #5 Hollow Stems Augers: With the increased useage of hollow stem sampling techniques, an interest in considering standards for hollow stem augers was expressed. This item will be placed on the agenda for the next meeting with any member interested invited to bring comments.

The committee members were asked to bring to the next meeting any other items where standardization would be in order. Applicable items would be those used in soil sampling where interchangeability is essential.

The subject of weight tolerances on drive hammers was discussed. Each committee member will make a sampling of actual weights of their 140# and 300# drive hammers for comparison of compliance with the standard at the next meeting.

# DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION

COMMITTEE: Drill Equipment

DATE: November 3, 1971  
Pittsburgh Hilton, Pittsburgh, Pa.

CHAIRMAN: L. A. Braun

|                    |                       |                               |
|--------------------|-----------------------|-------------------------------|
| MEMBERS ATTENDING: | L. A. Braun, Chairman | E. J. Longyear Co.            |
|                    | L. W. Janson          | Sprague & Henwood, Inc.       |
|                    | R. F. Norrick         | Acker Drill Co.               |
|                    | B. V. Snyder          | WABCO (Drilling Equipment Div |
| MEMBERS ABSENT:    | R. L. Carlson         | Diamond Drill Contracting Co. |
|                    | J. Wells              | Joy Manufacturing Co.         |
| GUESTS ATTENDING:  | Ray Bell              | Pine Tree Engineering Co.     |
|                    | J. J. Daly            | Craelius                      |
|                    | Anders Odin           | Craelius                      |
|                    | J. Koontz             | Mobile Drilling Co.           |

Minutes of previous meeting approved as published.

- Item #1 Large Series Core Barrels to Tabulated Sheets. Due to lack of a quorum, the sheets were not reviewed in detail. More information to be obtained from Committee Members before next meeting.
- Item #2 Possible standardization of W. L. Equipment. Only two manufacturers reported on information request sent out by chairman. Another request will be made before next meeting. Original two manufacturers dimensions have been tabulated but do not give a wide enough scope.
- Item #3 Material Specs. for I.S.O. proposal. Drill Committee recommends that T.S. #18, Material Specs, be revised to show C 65 for add. use on R-H Outer tubes C40 for add. use on O.T. P-Z and all I.T. Also recommend that T.S. #19 spec. be deleted and superseded by recommended practices - Venders Tolerances as shown on p. 12 of recommended practices which refers to A.I.S.I. and A.P.I. latest edition.

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION

COMMITTEE: International Standards

DATE: November 3, 1971  
Pittsburgh Hilton, Pittsburgh, Pa.

CHAIRMAN: W. W. Svendsen

MEMBERS ATTENDING:

|                          |                                  |
|--------------------------|----------------------------------|
| W. W. Svendsen, Chairman | E. J. Longyear Co.               |
| L. W. Janson             | Sprague & Henwood, Inc.          |
| Ned Miles                | Christensen Diamond Products Co. |
| Robert Norrick           | Acker Drill Co.                  |

MEMBERS ABSENT:

|               |                           |
|---------------|---------------------------|
| Frank Sturges | Pennsylvania Drilling Co. |
|---------------|---------------------------|

GUESTS ATTENDING:

|                 |                         |
|-----------------|-------------------------|
| Anders Odin     | Craelius                |
| Robert Janowitz | Koebel Diamond Tool Co. |

Item #1 Minutes of ISO meeting TC 82/WG 6 were reviewed. Copies will be mailed to members and the DCDMA office for the official file.

(a) The subject of submitting physical properties of tubes used in rods, casing and core barrels was discussed and it was suggested that this subject should be assigned to the Technical Committee for Drill Equipment and that they establish the specs that will be submitted to the Ad Hoc Committee for Intention of Standardization.

Item #2 It was suggested that DCDMA go on record as suggesting that, "ISO/TC 82/SC6 Diamond Core Drill Equipment" be changed to include "Soil Sampling Equipment". This is prompted by the fact that we as an organization are developing standards for soil tools and it would be best to develop only one set of ISO standards for these tools.

DIAMOND CORE DRILL MANUFACTURERS ASSOCIATION

COMMITTEE: Public Relations

DATE: November 3, 1971  
Pittsburgh Hilton, Pittsburgh, Pa.

CHAIRMAN: Leo F. Nolan

MEMBERS ATTENDING: Leo F. Nolan, Chairman Diamond Products, Inc.  
Fred W. Davenhall Acker Drill Co.  
William L. Fornwald Sprague & Henwood, Inc.

GUESTS ATTENDING: S. B. Schier Diamond Tool Research

Minutes of Florida meeting were read and approved by a motion by Bill Fornwald and seconded by Fred Davenhall.

Item #1 Plastic Cards: W. L. Fornwald reported an approximate cost of \$575.00 for 5,000 cards. To determine if this project should continue we would have to have member companies report the quantity of these cards they would wish to purchase.

The art work is not yet complete and depending on the amount of information to be detailed will determine if the card would be pocket size or wallet size.

Item #2 The proposed symposium was discussed and it was recommended the Planning Committee investigate the details and problems involved.

Item #3 It was recommended that the secretary obtain an approximate cost on a booklet similar to the one IDA distributes and we adopt a similar one with DCDMA's history and company members names in it.

Fred Davenhall suggested a picture of our new President be taken and the Secretary furnish Fred with the necessary information to have him publish it in World Mining Magazine.

Item #4 A glossy repro page of the DCDMA emblem in 4 sizes to be mailed to all Executive Voting Representatives. Additional copies are available at the Association Office upon request.