

PSYCHEMEDICS CORP
Form DEF 14A
March 30, 2017

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

SCHEDULE 14A

**Proxy Statement Pursuant to Section 14(a) of the
Securities Exchange Act of 1934 (Amendment No.)**

Filed by the Registrant x
Filed by a Party other than the Registrant o
Check the appropriate box:

- o Preliminary Proxy Statement
- o Confidential, for Use of the Commission Only (as permitted by Rule 14a 6(e)(2))
- x Definitive Proxy Statement
- o Definitive Additional Materials
- o Soliciting Material under §240.14a 12

PSYCHEMEDICS CORPORATION

(Name of Registrant as Specified In Its Charter)

(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

Payment of Filing Fee (Check the appropriate box):

- x No fee required.
 - o Fee computed on table below per Exchange Act Rules 14a 6(i)(1) and 0-11.
- (1) Title of each class of securities to which transaction applies:
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Fee paid previously with preliminary materials.

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(1) Amount Previously Paid:

(2) Form, Schedule or Registration Statement No.:

(3) Filing Party:

(4) Date Filed:

March 30, 2017

Dear Stockholders:

We cordially invite you to attend the Annual Meeting of Stockholders, which will be held at the Seaport Hotel, 200 Seaport Boulevard, Boston, MA 02210 on May 4, 2017, at 2:00 P.M.

Details regarding the business to be conducted are more fully described in the accompanying Notice of Annual Meeting of Stockholders and Proxy Statement. In addition, I will report on current operations and discuss our plans for growth. We will also have plenty of time for your questions and comments. I believe that the Annual Meeting provides an excellent opportunity for stockholders to become better acquainted with the Company and its directors and officers. I hope that you will be able to attend.

Your vote is important. Whether or not you plan to attend the annual meeting, I hope that you will vote as soon as possible. Please review the instructions on each of your voting options described in the Proxy Statement.

Thank you for your ongoing support of, and continued interest in, Psychemedics Corporation.

Sincerely,

Raymond C. Kubacki
Chairman, Chief Executive Officer, and President

PSYCHEMEDICS CORPORATION

125 Nagog Park
Acton, Massachusetts 01720
978-206-8220

NOTICE OF ANNUAL MEETING OF STOCKHOLDERS

March 30, 2017

The Annual Meeting of Stockholders will be held on May 4, 2017 at 2:00 P.M. at the Seaport Hotel, 200 Seaport Boulevard, Boston, MA 02210, for the following purposes:

1. To elect directors of the Company for the ensuing year and until their respective successors are chosen and qualified;
2. To conduct a non-binding advisory vote on the compensation of our named executive officers;
3. To ratify the Audit Committee's appointment of BDO USA, LLP as the Company's independent registered public accounting firm for the year ending December 31, 2017; and
4. To consider and act upon matters incidental to the foregoing and to transact such other business as may properly come before the Annual Meeting.

The Board of Directors has fixed the close of business on March 10, 2017 as the record date for the determination of stockholders entitled to receive notice of, and to vote at, the Annual Meeting of Stockholders.

Important Notice Regarding the Availability of Proxy Materials for the Shareholder Meeting to be Held on May 4, 2017: We have elected to provide access to our proxy materials by: (i) sending you this full set of proxy materials, including the proxy statement, our Annual Report for 2016, and a proxy card; and (ii) notifying you of the availability of these proxy materials on the Internet that you may download and print by going to www.psychemedics.com/proxy.

We encourage you to review all of the important information contained in the proxy materials contained herein or accessed on our website at www.psychemedics.com/proxy before voting.

By order of the Board of Directors,
Patrick J. Kinney, Jr.,
Secretary

The Company's Annual Report for 2016 containing a copy of the Company's Form 10-K (excluding exhibits) for the year ended December 31, 2016 is enclosed herewith.

Please fill in, date, sign and mail promptly the accompanying proxy in the return envelope furnished for that purpose, whether or not you plan to attend the Annual Meeting.

PSYCHEMEDICS CORPORATION

125 Nagog Park
Acton, Massachusetts 01720

PROXY STATEMENT

ANNUAL MEETING OF STOCKHOLDERS TO BE HELD ON MAY 4, 2017

You are receiving this communication because you hold shares in PSYCHEMEDICS CORPORATION (hereinafter, the Company). We have elected to provide access to our proxy materials by: (i) sending you this full set of proxy materials, including the proxy statement, our Annual Report for the year ended December 31, 2016, and a proxy card; and (ii) notifying you of the availability of these proxy materials on the internet that you may download and print by viewing www.psychemedics.com/proxy. We encourage you to review all of the important information contained in the proxy materials contained herein or accessed on our website at www.psychemedics.com/proxy before voting.

This statement is furnished to the stockholders of the Company in connection with management's solicitation of proxies to be used at the Annual Meeting of Stockholders on May 4, 2017 and at any adjournment of that meeting. The approximate date on which this proxy statement and accompanying proxy are being sent to stockholders of the Company is March 30, 2017. Each proxy delivered pursuant to this solicitation, or any proxy that you may download from www.psychemedics.com/proxy, is revocable at the option of the person executing the same by written notice delivered to the Secretary of the Company at any time before the proxy is voted. A stockholder who attends the Annual Meeting in person may revoke his or her proxy at that time and vote his or her shares if such stockholder so desires.

Most stockholders of the Company hold their shares through a stockbroker, bank, trustee or other nominee rather than directly in their own name. As summarized below, there are some distinctions between shares held of record and those owned beneficially.

Stockholders of Record. If your shares are registered directly in your name with the Company's transfer agent, Computershare, you are considered the stockholder of record of those shares and these proxy materials are being sent directly to you by the Company. As the stockholder of record, you have the right to grant your voting proxy directly to the Company or to vote in person at the Annual Meeting.

Beneficial Owner. If your shares are held in a stock brokerage account, by a bank, trustee or other nominee, you are considered the beneficial owner of shares held in street name and these proxy materials are being forwarded to you by your broker, trustee or nominee who is considered the stockholder of record of those shares. As the beneficial owner, you have the right to direct your broker, trustee or nominee on how to vote and are also invited to attend the Annual Meeting. However, since you are not the stockholder of record, you may not vote these shares in person at the Annual Meeting. Your broker, trustee or nominee is obligated to provide you with a voting instruction card for you to use.

The presence in person or by proxy of stockholders entitled to cast a majority of the outstanding shares, or 2,730,111 shares, shall constitute a quorum. Under NASDAQ rules, if your broker holds your shares in its name and does not receive voting instructions from you, your broker has discretion to vote these shares on certain routine matters,

including Proposal 3, the ratification of the Audit Committee's appointment of BDO USA, LLP as the Company's independent registered public accounting firm. However, on non-routine matters such as Proposal 1, the election of directors, or Proposal 2, the non-binding advisory vote concerning executive compensation, your broker must receive voting instructions from you, as it does not have discretionary voting power for these particular items. So long as the broker has discretion to vote on at least one proposal, these broker non-votes are counted toward establishing a quorum. When voted on routine matters, broker non-votes are counted toward determining the outcome of that routine matter. With respect to the election of Directors, the Company will treat votes withheld as shares that are present for purposes of determining a quorum. A plurality is required to elect Directors, so the five persons receiving the greatest number of votes will be elected. Withheld votes will not affect the outcome of the election. With respect to the ratification of the Audit Committee's appointment of BDO USA, LLP, or the vote, on an advisory and non-binding basis, of the compensation of the Company's named executive officers, the Company will treat

abstentions as shares that are present and entitled to vote. Since a majority of the shares represented at the meeting and entitled to vote is required for approval, abstentions will have the effect of a vote against approval of these proposals. If a broker indicates on a proxy that it does not have discretionary authority as to certain shares to vote on a particular matter, those shares will not be considered as shares entitled to vote with respect to that matter. Accordingly, broker non-votes will have no effect on such a matter.

All shares represented by a properly executed proxy will be voted unless the proxy is revoked and, if a choice is specified, will be voted in accordance with such specification. If no choice is specified, the proxies will be voted FOR Proposal 1, the election of the five nominees named under Election of Directors, unless authority to do so is withheld with respect to one or more of the nominees, FOR Proposal 2 approval, on an advisory and non-binding basis, of the compensation of the Company's named executive officers, and FOR Proposal 3 ratification of the Audit Committee's appointment of BDO USA, LLP for the year ending December 31, 2017. In addition, the proxy will be voted in the discretion of the proxy holders with respect to such other business as may properly come before the Annual Meeting.

As of March 10, 2017, the Company had outstanding 5,460,220 shares of Common Stock. The Common Stock is the only type of security entitled to vote at the Annual Meeting. Each share of Common Stock entitles the holder of record thereof at the close of business on March 10, 2017 to one vote on each of the matters to be voted upon at the Annual Meeting.

PROPOSAL 1 ELECTION OF DIRECTORS

At the Annual Meeting, directors are to be elected to hold office for the ensuing year and until their respective successors are chosen and qualified. The Board of Directors has fixed the size of the Board at five and has nominated five persons, all of whom are now directors of the Company, to serve until the next Annual Meeting of Stockholders and until their successors are elected and qualified. If the enclosed proxy, or any proxy that you may download from www.psychemedics.com/proxy is duly executed and received in time for the Annual Meeting, and unless authority to do so is withheld, it will be voted to elect as directors the following nominees: Raymond C. Kubacki, A. Clinton Allen, Harry Connick, Walter S. Tomenson, Jr. and Fred J. Weinert. In the event that any of the nominees becomes unavailable, then the proxy holders shall have the right: (i) to vote for such substitute, if any, as the present Board of Directors may designate; or (ii) to leave a vacancy on the Board.

BUSINESS EXPERIENCE OF NOMINEES AND EXECUTIVE OFFICERS

Following is a list of names, ages and positions with the Company of all nominees for election as directors and all executive officers of the Company.

| Name | Age | Position |
|----------------------------|-----|---|
| Raymond C. Kubacki | 72 | Chairman of the Board, Chief Executive Officer, President, Director and Nominee |
| A. Clinton Allen | 73 | Director and Nominee, Member of Audit, and Nominating Committees |
| Harry Connick | 91 | Director and Nominee, Member of Audit, Nominating and Compensation Committees |
| Walter S. Tomenson, Jr. | 70 | Director and Nominee, Member of Audit, Nominating and Compensation Committees |
| Fred J. Weinert | 69 | Director and Nominee, Member of Audit, Nominating and Compensation Committees |
| Michael I. Schaffer, Ph.D. | 72 | Vice President, Laboratory Operations |
| James V. Dyke | 52 | Corporate Vice President, Sales and Marketing |
| Neil Lerner | 49 | Vice President, Finance |

All directors hold office until the next Annual Meeting of Stockholders or until their successors are elected. Officers serve at the discretion of the Board of Directors.

Mr. Kubacki has been the Company's President and Chief Executive Officer since 1991. He has also served as Chairman of the Board of the Company since 2003. From 2011 until 2016, he served as a director of Integrated Environmental Technologies, Ltd. From 2007 until 2010, he served as a director of Protection One, Inc. and from 2004 to 2007 he served as a director of Integrated Alarm Services Group, Inc. He is also a trustee of the Center for Excellence in Education based in Washington, D.C. and holds an Executive Masters Professional Director Certification, their highest level award, from the American College of Corporate Directors, a public company director education and credentialing organization. As a result of these and other professional experiences, Mr. Kubacki possesses particular knowledge and experience in marketing and operations that strengthen the Board's collective qualifications, skills and experience. Mr. Kubacki has been a director of the Company since 1991.

Mr. Allen is the Founder and President of the American College of Corporate Directors, a public company director education and credentialing organization. Mr. Allen also serves as the Chairman of the Board of Collectors Universe (CLCT: NASDAQ), a member of the board of Brooks Automation (BRKS: NASDAQ), and is Lead Director of LKQ Corporation (LKQ:NASDAQ), a Fortune 500 Company. Mr. Allen had previously served as a director of the Company from 1989 until 2003. He served as Vice-Chairman of the Company from 1990 to 2000 and Chairman from 2000 to 2003. He rejoined the Board as an independent member in September, 2015. Mr. Allen holds an Executive Masters Professional Director Certification from the American College of Corporate Directors. As a result of these and other professional experiences, Mr. Allen possesses particular knowledge and experience in corporate governance and audit practices that strengthen the Board's collective qualifications, skills and experience.

Mr. Connick served as District Attorney for Orleans Parish (New Orleans, LA) from 1974 to 2003. In 2002 Mr. Connick received from Drug Czar, John P. Walters, the Director's Award for Distinguished Service, in recognition of exemplary accomplishment and distinguished service in the fight against illegal drugs. As a result of these and other

professional experiences, Mr. Connick possesses particular knowledge and experience in law enforcement and the effects of drugs of abuse and their effect on society that strengthen the Board's collective qualifications, skills and experience. Mr. Connick has been a director of the Company since 2003.

Mr. Tomenson was a founding partner of Integro Ltd. He retired from the firm in 2012. Prior to joining Integro, Mr. Tomenson was Managing Director and Chairman of Global Client Development at Marsh, Inc. from 1998 until 2004. From 1993 to 1998, he was Chairman of FINPRO, the financial services division of Marsh, Inc. Mr. Tomenson is a director of the Trinity College School Fund, Inc. He also serves on the Board

of Trustees of the Inner-City Scholarship Fund in New York City. In addition, he is the Vice-Chairman of the Foundation Board of Directors of the Achievement Centers for Children and Families in Delray Beach, Florida. Mr.

Tomenson holds an Executive Masters Professional Director Certification, their highest level award, from the American College of Corporate Directors, a public company director education and credentialing organization. As a result of these and other professional experiences, Mr. Tomenson possesses particular knowledge and experience in marketing and distribution and human resources that strengthen the Board's collective qualifications, skills and experience. Mr. Tomenson has been a director of the Company since 1999.

Mr. Weinert is an entrepreneur whose current activities are concentrated in commercial real estate, international business development and environmental consulting. He served on the Business Advisory Council for the University of Dayton 1984 until 2005. From 1973 until 1989, Mr. Weinert held various executive positions in the Finance and Operations groups of Waste Management, Inc. and its subsidiaries, including 6 years as the President of Waste Management International, Inc. As a result of these and other professional experiences, Mr. Weinert possesses particular knowledge and experience in accounting, finance, capital structures, distribution and international operations that strengthen the Board's collective qualifications, skills and experience. Mr. Weinert has been a director of the Company since 1991.

Dr. Schaffer has served as Vice President of Laboratory Operations since 1999. From 1990 to 1999, he served as Director of Toxicology, Technical Manager and Responsible Person for the Leesburg, Florida laboratory of SmithKline Beecham Clinical Laboratories. From 1976 to 1990 he served as the Chief Toxicologist at the Cook County Medical Examiner's office in Chicago, Illinois. From 1990 to 1999, he was also a member of the Board of Directors of the American Board of Forensic Toxicologists. Dr. Schaffer has also served as an inspector for the College of American Pathologists since 1990.

Mr. Dyke joined the Company as Corporate Vice President, Sales and Marketing in 2010. Prior to joining the Company, he held the position of Vice President US Sales and Marketing for Pitney Bowes DMT and worked as a Strategic Sales Consultant. From 2005 to 2007, prior to immigrating to the USA from Canada, he held the position of General Manager DMT United Kingdom and Ireland. From 2002 to 2005 he served as VP/General Manager DMT Canada, both with Pitney Bowes Ltd. Since joining the Company, he has served on drug testing industry advisory boards and has been an active speaker discussing the challenges of workplace drug abuse.

Mr. Lerner joined the Company in 2010 and currently serves as the Vice President of Finance and Treasurer. From October, 2010 until May, 2011 he served as Vice President and Controller of the Company. Prior to joining the Company, he served as Director of Operational Accounting at Beacon Roofing Supply, Inc., Corporate Controller with Atlas TMS, Divisional Controller with Mastec, Inc, and multiple financial management roles with Johnson & Johnson. Mr. Lerner is a Certified Public Accountant and holds a Master's degree in International Management.

CORPORATE GOVERNANCE

General

The Company believes that good corporate governance is important to ensure that the Company is managed for the long-term benefit of its stockholders. The Board of Directors of the Company has responsibility for establishing broad corporate policies and reviewing the overall performance of the Company. The Company's officers are responsible for day-to-day operations. The Board's primary responsibility is to oversee the management of the Company and, in so doing, serve the best interests of the Company and its stockholders. The Board selects, evaluates and provides for the succession of executive officers and, subject to stockholder election, directors. It reviews and approves corporate

objectives and strategies, and evaluates significant policies and proposed major commitments of corporate resources.

It participates in decisions that have a potential major economic impact on the Company. Management keeps the directors informed of Company activity through detailed monthly reports and presentations at Board and committee meetings.

The Board of Directors has delegated certain of its oversight responsibilities to four separate subcommittees: an Audit Committee, a Compensation Committee, a Nominating Committee and a Brazil Oversight Committee, each of which is comprised solely of independent directors (see Independence

below). The Audit Committee operates under an Audit Committee charter and the Nominating Committee operates under a Nominating Committee charter, each of which has been approved by the Board of Directors of the Company and is posted on the Company's web site at www.psychemedics.com. Each committee must review the appropriateness of its charter and perform a self-evaluation at least annually. Mr. Kubacki is the only director who is also an employee of the Company. He is not included in deliberations concerning evaluation of his own compensation at any meetings of the Compensation Committee. All members of all committees are non-employee directors.

The Company has in place a comprehensive Code of Ethics and Conduct. You may obtain a copy of the Company's Code of Ethics and Conduct by writing to the Company at Investor Relations, Psychemedics Corporation, 125 Nagog Park, Acton, Massachusetts 01720, or by viewing the Investor Information section of the Company's website at www.psychemedics.com.

Independence

Under the rules of the NASDAQ Stock Market, a majority of the directors and all of the members of the Audit Committee must qualify as independent directors. The Board of Directors of the Company conducts an annual review of the independence of the members of the Board and its committees. Four of our five directors are nonemployee directors (all except Mr. Kubacki). Although the Board has not adopted categorical standards of materiality for independence purposes (other than those set forth in Securities and Exchange Commission Regulations and the NASDAQ Stock Market listing standards), information provided by the directors and the Company did not indicate any relationships (e.g., commercial, industrial, banking, consulting, legal, accounting, charitable, or familial), which would impair the independence of any of the nonemployee directors.

Certain Relationships and Related Transactions

The Board of Directors has adopted a policy whereby the Company's Audit Committee is responsible for reviewing any proposed related party transaction. The types of transactions covered by the policy include payments for products or services to or indebtedness to or from, related parties, as defined in Item 404(b) of Regulation S-K under the federal securities laws. The Audit Committee has determined that there were no related party transactions with any related party in fiscal 2016 that would require disclosure under Item 404(a) of Regulation S-K.

Board of Directors Meetings and Committees

The Board of Directors met seven times in fiscal year 2016 (including teleconference meetings), and acted by written consent on one occasion. During fiscal year 2016, each of the directors attended at least 75% of the total number of meetings of the Board of Directors and the committees of which such director was a member.

The Company encourages all incumbent directors, as well as all nominees for election as director, to attend the Annual Meeting of Stockholders. All of the Company's directors attended the Company's Annual Meeting in May 2016.

Audit Committee

The Audit Committee, whose members are Messrs. Allen, Connick, Tomenson and Weinert, reviews the appropriateness, quality and acceptability of the Company's accounting policies and the integrity of financial statements reported to the public, and compliance with legal and regulatory requirements. The Board has determined that each member of the Audit Committee is an independent director under the rules of the NASDAQ Stock Market

governing the qualifications of the members of audit committees, and each member of the Audit Committee satisfies the requirements of the NASDAQ Stock Market regarding competency in financial matters. In addition, the Board of Directors has determined that Mr. Weinert, the Chairman of the Audit Committee, and Mr. Allen, each qualifies as an Audit Committee Financial Expert as defined by the Securities and Exchange Commission rules. None of the Audit Committee members other than Mr. Allen serves on the audit committee of any other public company. The responsibilities of the Audit Committee and its activities during fiscal year 2016 are described in the Report of the Audit Committee set forth below in this proxy statement. The Audit Committee held five meetings during 2016.

Compensation Committee

The Compensation Committee, whose members are Messrs. Connick, Tomenson and Weinert, held four meetings during 2016. The Compensation Committee does not have a charter. The responsibilities of the Compensation Committee and its activities during fiscal year 2016 are described below under the caption Executive Compensation .

Compensation Committee Interlocks and Insider Participation

None of Messrs. Connick, Tomenson or Weinert has ever been an officer or employee of the Company or any subsidiary of the Company and no executive officer of the Company serves on the board of directors of any company at which any of the Compensation Committee members is employed.

Nominating Committee

The Nominating Committee, whose members are Messrs. Allen, Connick, Tomenson and Weinert, held one meeting during 2016. The Nominating Committee is charged with identifying and screening candidates, consistent with criteria approved by the Board of Directors, and making recommendations to the Board of Directors as to persons to be nominated by the Board of Directors for election thereto by the stockholders or to be chosen by the Board of Directors to fill newly created directorships or vacancies on the Board of Directors. The Board of Directors has determined that each of the members of the Nominating Committee is independent as defined in the NASDAQ Stock Market's listing standards.

The Nominating Committee identifies Board candidates through numerous sources, including recommendations from Directors, executive officers and stockholders of the Company. The Nominating Committee evaluates identified Board candidates based on the criteria established by and periodically reviewed by the Nominating Committee. The Nominating Committee seeks to identify those individuals most qualified to serve as Board members and will consider many factors with regard to each candidate, including judgment, integrity, diversity, prior experience, the interplay of the candidate's experience with the experience of other Board members, the extent to which the candidate would be desirable as a member of any committees of the Board, and the candidate's willingness to devote the time and effort required for Board responsibilities. The Nominating Committee does not assign any particular weight or importance to any one of these factors but rather considers them as a whole. Selected candidates are interviewed by members of the Nominating Committee and certain other Board members. Based on the foregoing, the Nominating Committee makes recommendations to the Board with respect to director nominees. In general, persons recommended by stockholders will be considered on the same basis as candidates from other sources. If a stockholder wishes to recommend a candidate for election as a director at the 2018 Annual Meeting of Stockholders, it must follow the procedures described in Stockholder Proposals and Nominations for Director below.

Brazil Oversight Committee

The Brazil Oversight Committee, whose sole member is Mr. Weinert, is responsible for corporate governance oversight of the Company's operations in Brazil, including oversight of the Company's relationship with its Brazil distributor and issues relating to the Company's international operations generally. The Brazil Oversight Committee does not have a charter.

Board Leadership Structure, Risk Oversight, Executive Sessions of Nonemployee Directors, and Communications Between Stockholders and the Board

Board Leadership Structure

As noted above, our Board is currently comprised of four independent directors and one employee director. Mr. Kubacki has served as Chairman of the Board since 2003, and he has served as Chief Executive Officer and as a member of our Board since 1991. We believe that our independent, experienced directors, who constitute a majority of our Board, benefit Psychemedics and its stockholders.

We recognize that different board leadership structures may be appropriate for companies in different situations and believe that no one structure is suitable for all companies. We believe our current Board leadership structure is optimal for us because it demonstrates to our employees, suppliers, customers, and other stakeholders that Psychemedics is under strong leadership, with a single person setting the tone and having primary responsibility for managing our operations. Having a single leader for both the company and

the Board eliminates the potential for confusion or duplication of efforts, and provides clear leadership for Psychemedics. We believe Psychemedics, like many U.S. companies, has been well-served by this leadership structure.

As part of an annual self evaluation, our Board of Directors conducts an evaluation in order to determine whether it and its committees are functioning effectively. As part of this annual self-evaluation, the Board evaluates whether the current leadership structure continues to be optimal for Psychemedics and its stockholders. When making recommendations of future Board candidates, our Nominating Committee, under the authority vested in it under our Nominating Committee Charter, is provided flexibility to modify or continue our leadership structure in the future, as it deems appropriate.

Risk Oversight

Our Board is responsible for overseeing the Company's risk management process. The Board focuses on Psychemedics general risk management strategy, the most significant risks facing Psychemedics, and ensures that appropriate risk mitigation strategies are implemented by management. The Board is also apprised of particular risk management matters in connection with its general oversight and approval of corporate matters.

The Board has delegated to the Audit Committee oversight of Psychemedics risk management process. Among its duties, the Audit Committee reviews with management (a) Psychemedics policies with respect to risk assessment and management of risks that may be material to Psychemedics, (b) Psychemedics system of disclosure controls and system of internal controls over financial reporting, and (c) Psychemedics compliance with legal and regulatory requirements. The Audit Committee is also responsible for reviewing major legislative and regulatory developments that could materially impact Psychemedics contingent liabilities and risks. Our full Board also considers and addresses risk as it performs its responsibilities. All committees report to the full Board as appropriate, including when a matter rises to the level of a material or enterprise level risk.

Psychemedics management is responsible for day-to-day risk management. Our Vice President Finance undertakes primary responsibility for monitoring and testing for company-wide policies and procedures, and manages the day-to-day oversight of the risk management strategy for the ongoing business of Psychemedics. This oversight includes identifying, evaluating, and addressing potential risks that may exist at the enterprise, strategic, financial, operational, and compliance and reporting levels.

We believe the division of risk management responsibilities described above is an effective approach for addressing the risks facing Psychemedics and that our Board leadership structure supports this approach.

Executive Sessions of Nonemployee Directors

The Board holds executive sessions of its nonemployee directors generally at each regularly scheduled meeting. The Chairman of the Audit Committee serves as the chairperson for these executive sessions.

Communications between Stockholders and the Board

Interested parties, including stockholders, may communicate directly with the Chairman of the Audit Committee or the nonemployee directors as a group by writing to those individuals or the group at the following address: Psychemedics Corporation, 125 Nagog Park, Acton, Massachusetts 01720. If correspondence is received by the Corporate Secretary, it will be forwarded to the appropriate person or persons in accordance with the procedures adopted by a majority of the independent directors of the Board. When reporting a concern, please supply sufficient information so that the matter may be addressed properly. Although you are encouraged to identify yourself to assist

Psychemedics in effectively addressing your concern, you may choose to remain anonymous, and Psychemedics will use its reasonable efforts to protect your identity to the extent appropriate or permitted by law.

Report of the Audit Committee

The Audit Committee of the Board of Directors is responsible for providing independent, objective oversight of the Company's accounting functions and internal controls. Management has the primary responsibility for the financial statements and the reporting process, including the system of internal controls. The Audit Committee oversees the financial reporting process on behalf of the Board of Directors, reviews

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financial disclosures, and meets privately, outside the presence of management, with the independent auditors to discuss internal accounting control policies and procedures. In fulfilling its oversight responsibilities, the Audit Committee reviews the audited financial statements in the Annual Report on Form 10-K with management including a discussion of the quality, not just the acceptability, of the accounting principles, the reasonableness of significant judgments, and the clarity of disclosures in the financial statements. The Audit Committee reports on these meetings to the Board of Directors. The Audit Committee also selects and appoints the independent auditors, reviews the performance of the independent auditors in the annual audit and in assignments unrelated to the audit, and pre-approves the independent auditors' services. The Audit Committee operates under a written charter adopted by the Board of Directors, a copy of which can be viewed on the Company's website under Corporate Governance.

The Audit Committee reviewed with the independent auditors their judgments as to the quality, not just the acceptability, of accounting principles and such other matters as are required to be discussed with the Audit Committee under the standards of the Public Company Accounting Oversight Board (United States) (the PCAOB). In addition, the Audit Committee has received the written disclosures and the letter from the independent auditors required by the PCAOB Rule 3526, and has discussed with the independent auditors the independence of the independent auditors. The Audit Committee considered and determined that the provision of non-audit services by BDO USA, LLP was compatible with maintaining auditor independence.

Based on its review and discussions, the Audit Committee recommended to the Board of Directors that the audited financial statements be included in the Annual Report on Form 10-K for the fiscal year ended December 31, 2016.

Members of the Audit Committee:

A Clinton Allen
Harry Connick
Walter S. Tomenson, Jr.
Fred J. Weinert

Audit Committee Pre-Approval Policy of Audit and Permissible Non-Audit Services of Independent Registered Public Accounting Firm

The Audit Committee's policy is to pre-approve all audit and permissible non-audit services provided by the Company's independent registered public accounting firm. These services may include audit services, audit-related services, tax services and other services. Any pre-approval is detailed as to the particular service or category of services and is generally subject to a specific budget. The Audit Committee may delegate pre-approval authority to one or more of its members when expedition of services is necessary. The independent registered public accounting firm and management are required to periodically report to the full Audit Committee regarding the extent of services provided, in accordance with this pre-approval policy, and the fees for the services performed to date.

Director Compensation

Mr. Kubacki receives no additional compensation for serving on the Company's Board of Directors. Each of the Company's outside (non-employee) directors received cash compensation of \$40,000 in 2016. In addition, Mr. Weinert received additional cash compensation of \$10,000 in 2016 for serving as Chairman of the Audit Committee, and \$133,000 for serving as the Board's corporate governance representative overseeing the Corporation's mobilization project in Brazil. Each of the outside directors has also been granted from time to time equity awards under the

Company's equity compensation plans, most recently in May, 2016. In each case the directors were granted stock unit awards or non-qualified stock options with an equivalent fair value, that in each case vest with respect to 50% of the number of shares covered thereunder on approximately the first anniversary of the date of grant, and with respect to the balance of 50% of the shares on the second anniversary of the date of grant. Any unvested stock unit awards or options terminate upon the cessation of a recipient's service as a member of the Board of Directors, subject to partial or full vesting in the case of termination on account of retirement, death or permanent disability. In the event of a change in control of the Company (as defined in the stock unit award or option agreement evidencing the award) the stock unit awards or options become fully vested immediately prior to the effective date of such change in control.

The following table shows, for the fiscal year ended December 31, 2016, the compensation paid by the Company or accrued for such year, to the Company's non-employee directors. The compensation paid to Mr. Kubacki for his service as Chairman, Chief Executive Officer and President, is reported in the Summary Compensation Table under the caption "Executive Compensation" below.

Director Compensation For Fiscal Year Ended December 31, 2016

| (a) Name | (b) Fees Earned or Paid in Cash | (c) Stock Awards ⁽¹⁾ | (d) Option Awards ⁽¹⁾ | (e) Non-Equity Incentive Plan Compensation | (f) Non-qualified Deferred Compensation Earnings | (g) All other Compensation ⁽⁴⁾ | (h) Total |
|----------------------|---|---------------------------------------|--|--|--|---|--------------|
| A. Clinton Allen | \$40,000 | | \$30,420 ⁽³⁾ | | | | \$70,420 |
| Harry Connick | \$40,000 | \$59,426 ⁽²⁾ | | | | | \$99,426 |
| Walter Tomenson, Jr. | \$40,000 | | \$30,420 ⁽³⁾ | | | | \$70,420 |
| Fred J. Weinert | \$183,000 | \$24,876 ⁽²⁾ | \$30,420 ⁽³⁾ | | | | \$238,296 |

(1) The amounts in columns (c) and (d) reflect the grant date fair values of awards to the named individuals in 2016.

Each such award vests with respect to 50% of the shares covered thereby on April 30, 2017 and the balance of the shares vest on April 30, 2018. As of December 31, 2016, the number of shares underlying unvested stock unit awards held by the directors was as follows: Mr. Allen: 500; Mr. Connick: 6,050; Mr. Tomenson: 1,750; and Mr. Weinert: 4,350.

(2) Each such option grant award vests with respect to 50% of the shares covered thereby on April 30, 2017 and the balance of the shares vest on April 30, 2018. As of December 31, 2016, the number of shares underlying non-qualified stock options held by the directors was as follows: Mr. Allen: 13,000; Mr. Tomenson: 13,000 and Mr. Weinert: 35,000.

(3) Any perquisites or other personal benefits received from the Company by the named director were less than the reporting thresholds established by the Securities and Exchange Commission (\$10,000).

(4)

EXECUTIVE COMPENSATION

Overview of Compensation Program

The Compensation Committee of the Board has responsibility for establishing, implementing and continually monitoring adherence to the Company's compensation philosophy. The Compensation Committee ensures that the total compensation paid to the executive officers is fair, reasonable and competitive.

Throughout this proxy statement, the individual who served as the Company's Chief Executive Officer during fiscal 2016, as well as the other individuals included in the Summary Compensation Table on page 13, are referred to as the named executive officers (NEOs).

Compensation Philosophy and Objectives

The Compensation Committee believes that the most effective executive compensation program is one that is designed to reward the achievement of specific annual performance goals by the Company, and which aligns executives' interests with those of the stockholders by rewarding performance with the ultimate objective of improving stockholder value. The Compensation Committee evaluates both performance and compensation to ensure that the Company maintains its ability to attract and retain superior employees in key positions and that compensation provided to key employees remains competitive relative to the compensation paid to similarly situated executives of similarly sized public companies. To that end, the Compensation Committee believes executive compensation packages provided by the Company to its executives, including the named executive officers, should include both cash and stock-based compensation and that its executives' performance should be rewarded as measured against established goals.

Role of Executive Officers in Compensation Decisions

The Compensation Committee makes all compensation decisions for the Chief Executive Officer, but takes into account his recommendations when making compensation decisions with respect to the other executive officers.

The Chief Executive Officer annually reviews the performance of each other executive officer. The conclusions reached and recommendations based on these reviews, including with respect to salary adjustments and annual award amounts, are presented to the Compensation Committee. The Compensation Committee can exercise its discretion in modifying any recommended adjustments or awards to executives.

Setting Executive Compensation

Based on the foregoing objectives, the Compensation Committee has structured the Company's annual and long-term incentive-based cash and non-cash executive compensation to motivate executives to achieve the business goals set by the Company and reward the executives for achieving such goals.

In making compensation decisions, the Compensation Committee compares each element of total compensation against what the Compensation Committee believes to be the average amount paid to similarly situated executives at comparably sized publicly-traded and privately-held companies.

A significant percentage of total compensation is allocated to incentives as a result of the philosophy mentioned above. The Compensation Committee determines the appropriate level and mix of incentive compensation. Income from such incentive compensation is realized as a result of the performance of the Company or the individual, depending on the type of award, compared to established goals. A significant portion of its total compensation payable to executive officers is in the form of cash bonus awards tied to achievement of performance goals and to the award of restricted stock units or stock options that would become vested over a period of time.

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2016 Executive Compensation Components

For the fiscal year ended December 31, 2016, the principal components of compensation for named executive officers were:

base salary
performance-based cash incentive compensation; and
long-term equity incentive compensation
Base Salary

Base salary ranges for named executive officers are determined for each executive based on his or her position and responsibility, a market competitive assessment of similar roles at other companies and a comparison of salaries paid to peers within the Company. Salary levels are typically considered annually as part of the Company's performance review process as well as upon a promotion or other change in job responsibility. Merit based increases to salaries of executive officers are based on the Compensation Committee's assessment of the individual's performance.

Incentive Cash Bonus Compensation

The Company typically provides its named executive officers with the opportunity to earn cash incentive bonuses. For most years, bonuses are determined based on a combination of qualitative and quantitative, company and individual measures, the details of which are established annually in the form of business objectives. The business objectives may vary for each executive based upon his or her responsibilities and may include financial and/or strategic measures. The Compensation Committee typically retains the discretion to amend the bonus program including the ability to increase or decrease any bonus payment and make changes to any financial and/or strategic measures. In 2016, the named executive officers' bonuses were computed as follows: (i) up to ten percent (10%) of base salary would be payable if the Company achieved pre-determined revenue and earnings per share targets; (ii) up to an additional ten percent (10%) of base salary would be payable based on achievement of individual written performance objectives for the fiscal year, as determined by Mr. Kubacki (for named executive officers other than himself) and as determined by the Compensation Committee (with respect to achievement of the bonus award by Mr. Kubacki), and (iii) up to an additional five percent (5%) of base salary would be payable based upon the Company's achievement of a specific strategic objective. The Compensation Committee retained sole discretion over all matters relating to the annual bonus payments, including, without limitation, the decision to pay any bonuses, the amount of each bonus, if any, the ability to increase or decrease any bonus payment and make changes to any financial and/or strategic measures. A similar arrangement is in place for 2017.

Long-Term Equity Incentive Compensation

It is the philosophy of the Company to provide executives with incentives to receive equity in the Company and, thus, align their financial interests with those of the Company's shareholders. The Company's 2006 Incentive Plan provides long-term rewards and incentives to the Company's named executive officers, as well as other participants.

Stock Unit Awards

The Compensation Committee of the Company's Board of Directors has typically granted annual equity awards in the form of stock unit awards (Awards) to most of its executive officers. The Awards represent a right to receive shares of the Company's Common Stock in varying amounts subject to satisfaction of certain time-based vesting requirements.

The amount of stock unit awards granted to the named executive officers varies based upon their levels of responsibility, their individual performance and the Company's performance for the year preceding the year of grant.

Each of the units provides for vesting over the four-year period following the date of grant and are convertible into shares of Common Stock of the Company upon vesting.

Stock Options

In 2016, equity awards in the form of stock options (Option Awards) were the principal form of equity awards granted by the Compensation Committee to its executive officers. The Option Awards represent a right to acquire shares of the Company's Common Stock in varying amounts at a strike price equal to the closing price on the date of grant, subject to satisfaction of certain time-based vesting requirements. The number of Option Awards granted to the executive officers varied based upon their levels of responsibility and their individual performance. Each of the Option Awards provides for vesting over the four-year period following the date of grant.

Retirement and Other Benefits

The Company maintains a 401(k) profit sharing plan for the benefit of all employees who have satisfied minimum age requirements. Employees have the opportunity to contribute to the plan on a before tax basis, subject to limits prescribed under the Internal Revenue Code. The Company matches 100% of the first 3% of pay, and 50% of the next 2% of pay, for a total potential match of 4%. All employee contributions and all Company matching contributions are 100% vested on the date of contribution. Prior to 2015, the Company matched up to 50% of the first 6% of pay that was contributed to the plan, subject to limits prescribed for highly compensated employees, and subject to a vesting schedule on the Company matching contributions. The Company does not maintain any separate non-qualified retirement plans.

Perquisites and Other Personal Benefits

Any perquisites or other personal benefits that the Company offers to its executive officers are below the threshold limit (\$10,000 per executive, per annum) for reporting under SEC rules.

The Company has entered into Change of Control Severance Agreements with Messrs. Kubacki, Schaffer, and Dyke. The Change of Control Severance Agreements are designed to promote stability and continuity of senior management. Information regarding applicable payments under such agreements for Messrs. Kubacki, Schaffer and Dyke is provided under the heading Potential Payments upon Termination and Change in Control on page 14.

Tax and Accounting Implications

As part of its role, the Compensation Committee reviews and considers the deductibility of executive compensation under Section 162(m) of the Internal Revenue Code, which provides that the Company may not deduct compensation of more than \$1,000,000 per year to named executive officers except to the extent it constitutes performance-based compensation. The Company believes that except for a portion of the payments under agreements with Mr. Kubacki described under the heading Potential Payments upon Termination and Change in Control on page 14, all compensation paid to its executive officers is, or will be when paid, fully deductible for federal income tax purposes.

Summary of Cash and Certain Other Compensation

The following tables show, for the fiscal year ended December 31, 2016, and 2015, the total compensation earned by the Company's Chief Executive Officer, as the Company's principal executive officer, and the Company's two most highly compensated executive officers other than the Chief Executive Officer (collectively the named executive officers) and outstanding equity awards held by them as of December 31, 2016.

Summary Compensation Table

- The amounts in column (d) reflect cash bonus awards made to the executive officers based on achievement of
- (1) certain financial and individual objectives, as described in more detail on page 11 under the heading "Incentive Cash Bonus Compensation".
 - (2) The amounts in column (e) reflect the grant date fair value of the awards with respect to stock unit awards granted in the applicable year. Grant date fair value is deemed to be the closing price on the date of grant.
 - (3) The amounts in column (f) reflect the grant date fair value of the awards with respect to stock options granted in the applicable year, measured in accordance with ASC 718.
 - (4) The amounts in column (g) represent commissions paid to the named executive officer.
 - (5) The amounts shown in column (i) reflect for each named executive officer matching contributions allocated by the Company to each of the named executive officers during the applicable year pursuant to the Company's 401(k) Plan (which is more fully described on page 12 under the heading "Retirement and Other Benefits"); the amount of perquisites attributable to each named executive officer did not exceed \$10,000 in either 2015 or 2016.

Outstanding Equity Awards at Fiscal Year-End

- (1) Based on closing price of \$24.68 per share on December 31, 2016 on the NASDAQ Stock Market. Consists of: 4,250 shares of the stock unit award granted in May, 2013 which will vest in May, 2017; 6,500 shares of the stock unit award granted in May, 2014, of which 3,250 shares will vest in May, 2017 and 3,250 shares will vest in May, 2018; and 8,625 shares of the stock unit award granted in April, 2015, of which 2,875 shares will vest in April, 2017, 2,875 shares will vest in April, 2018, and 2,875 shares will vest in April, 2019; in each case, provided the executive is employed by the Company on each respective vesting date.
- (2) Consists of: 2,125 shares of the stock unit award granted in May, 2013, of which 2,125 shares will vest in May, 2017; 3,550 shares of the stock unit award granted in May, 2014, of which 1,775 shares will vest in May, 2017, and 1,775 shares will vest in May, 2018; 4,875 shares of the stock unit award granted in April, 2015, of which 1,625 shares will vest in April, 2017, 1,625 shares will vest in April, 2018, and 1,625 shares will vest in April, 2019; and 6,500 shares of the stock unit award granted in May, 2016 of which 1,625 shares will vest in May, 2017, 1,625 shares will vest in May, 2018, 1,625 shares will vest in May 2019 and 1,625 shares will vest in May, 2020, in each case, provided the executive is employed by the Company on each respective vesting date.
- (3) Consists of: 1,625 shares of the stock unit award granted in May, 2013, which will vest in May, 2017; 2,150 shares of the stock unit award granted in May, 2014, of which 1,075 shares will vest in May, 2017, and 1,075 shares will vest in May, 2018; and 1,125 shares of the stock unit award granted in April, 2015, of which 375 shares will vest in April, 2017, 375 shares will vest in April, 2018, and 375 shares will vest in April, 2019, in each case, provided the executive is employed by the Company on each respective vesting date.
- (4)

Potential Payments upon Termination and Change in Control

The Company has entered into change-in-control severance agreements with each of Messrs. Kubacki, Dyke and Schaffer providing for severance benefits for a period of up to 12 months in the event of termination within 12 months following a change in control (as defined in the agreements). The agreements provide for severance benefits only if (1) the Company undergoes a change in control (as defined in the agreement) and (2) within 12 months thereafter either (a) the Company (or its successor) terminates the employee (other than termination for cause), or (b) the employee terminates his employment for good reason (as defined in his agreement). The agreements do not provide for severance benefits in the event of an employee's death or disability, or in the event of his voluntary termination without good reason, or on account of termination for any reason if not preceded within 12 months by a change in control. The agreements provide that the employee shall not compete with the Company during the period in which he is entitled to receive severance payments. Except for such change-in-control severance agreements, none of the named executive officers has an employment agreement with the Company.

Each of the stock unit award agreements with Messrs. Kubacki, Dyke and Schaffer described in the Summary Compensation Table above provides that the vesting would accelerate upon a change in control. In the event the Company had incurred a change in control on December 31, 2016 and terminated the employment of Messrs. Kubacki, Dyke and Schaffer on such date, the amounts paid out to such named executive officers would have been as follows:

Payments and Benefits Upon Termination and Change in Control

| (a) Name | (b) Salary and Bonus Continuation ⁽¹⁾ | (c) Accrued Vacation ⁽²⁾ | (d) Health Benefits ⁽³⁾ | (e) Acceleration of Equity Awards ⁽⁴⁾ | (f) Total |
|---|---|---|--|---|--------------|
| Raymond C. Kubacki ⁽⁵⁾ 12 Month | \$ 593,750 | \$ 18,270 | \$ 20,788 | \$ 478,175 | \$ 1,110,983 |
| 6 Month (change of location only) | \$ 296,875 | \$ 18,270 | \$ 10,394 | \$ 478,175 | \$ 803,714 |
| James V. Dyke ⁽⁶⁾ 12 Month | \$ 246,000 | \$ 9,462 | \$ 20,788 | \$ 420,794 | \$ 697,044 |
| Michael I. Schaffer ⁽⁷⁾ 12 Month | \$ 263,400 | \$ 13,571 | \$ 20,788 | \$ 120,932 | \$ 418,691 |

The amounts in column (b) reflect the total amount of Base Salary, commission (if applicable) and Bonus compensation that would continue to be paid to the Executive during the indicated period following a termination (1) in connection with a change-in-control on December 31, 2016. Such amounts are calculated based on the actual base salary, commission and bonus compensation earned or accrued during the prior 12 month period coinciding with or preceding such termination.

(2) Accrued vacation is payable upon separation of service whether or not in connection with a change in control.

(3) The amounts in column (d) represent the amount payable by the Corporation during the applicable period for continuation of health benefits.

The amounts in column (e) reflect the acceleration of the vesting under stock unit awards granted under the Company's 2006 Incentive Plan triggered by a change in control, as provided in each executive officer's respective (4) stock unit award agreement with the Company. The valuation is determined by multiplying the number of stock unit awards that would have become vested on December 31, 2016 pursuant to such acceleration provision, times the closing price of the Company stock on such date (\$24.68 per share).

Mr. Kubacki's arrangement provides for 12 months of salary and bonus continuation, in the event of a termination by the Company without cause (as defined in his agreement) or a termination by him for good reason (as defined in his agreement) in either case, within a 12 month period following a change in control of the Company (as such (5) term is defined in the agreement), provided, however, that in the event of termination by Mr. Kubacki for good reason solely on account of a change in his required place of employment, following a change in control, then in lieu of 12 months of salary and bonus compensation, his benefits would be limited to 6 months of salary and bonus compensation.

Mr. Dyke's arrangement provides for 12 months of salary, plus commission and bonus continuation (capped at 25% (6) of base salary), in the event of a termination by the Company without cause (as defined in his agreement) or a termination by him for good reason (as defined in his agreement) in either case, within a 12 month period following a change in control of the Company (as such term is defined in the agreement).

Dr. Schaffer's arrangement provides for 12 months of salary and bonus continuation, in the event of a termination by the Company without cause (as defined in his agreement) or a termination by him for good reason (as defined in his agreement) in either case, within a 12 month period following a change in control of the Company (as such term is defined in the agreement).

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Equity Compensation Plan Information

The following table provides information as of December 31, 2016, with respect to shares of the Company's common stock that were issuable under the Company's 2006 Incentive Plan (the "2006 Incentive Plan").

| Plan Category | Number of Securities to Be Issued Upon Exercise of Outstanding Options, Warrants and Rights | Weighted Average Exercise Price of Outstanding Options, Warrants and Rights | Number of Securities that Remained Available for Future Issuance |
|--|---|---|--|
| Equity compensation plans approved by security holders | 233,625 ⁽¹⁾ | \$ 12.76 ⁽²⁾ | 307,393 |
| Equity compensation plans not approved by security holders | | | |
| Total | 233,625 | \$ 12.76 | 307,393 |

(1) This amount includes 160,000 shares subject to outstanding stock options with a weighted average remaining contractual term of 9.2 years and 73,625 shares subject to outstanding stock unit awards.

(2) The weighted-average exercise price information does not include any outstanding stock unit awards.

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PRINCIPAL STOCKHOLDERS AND STOCKHOLDINGS OF MANAGEMENT

The following table shows, as of March 10, 2017, the number of shares beneficially owned (i) by those stockholders who are known to the Company to own beneficially more than five percent of the outstanding Common Stock of the Company, (including their addresses) (ii) by each director and nominee for director of the Company, (iii) by each named executive officer, and (iv) by all directors and executive officers as a group.

| Name | Amount and Nature of Beneficial Ownership ⁽¹⁾ | Percentage Owned ⁽²⁾ |
|--|---|------------------------------------|
| Renaissance Technologies LLC 800 Third Avenue, New York, NY 10022 | 499,990 ⁽³⁾ | 9.2 % |
| Moors & Cabot, Inc. 111 Devonshire Street, Boston, MA 02109 | 361,893 ⁽⁴⁾ | 6.6 % |
| Tieton Capital Management LLC 4700 Tieton Drive, Suite C, Yakima, WA 98908 | 304,793 ⁽⁵⁾ | 5.6 % |
| Raymond C. Kubacki | 171,659 ⁽⁶⁾ | 3.1 % |
| Fred J. Weinert | 145,964 ⁽⁶⁾⁽⁷⁾⁽⁸⁾ | 2.7 % |
| Harry Connick | 43,512 ⁽⁶⁾ | 0.8 % |
| Michael I. Schaffer | 42,515 ⁽⁶⁾ | 0.8 % |
| Walter S. Tomenson, Jr. | 37,899 ⁽⁶⁾⁽⁷⁾ | 0.7 % |
| A. Clinton Allen | 7,280 ⁽⁶⁾⁽⁷⁾ | 0.1 % |
| James V. Dyke | 3,400 ⁽⁶⁾ | 0.1 % |
| All Executive Officers and Directors (8 persons) | 475,516 ⁽⁹⁾ | 8.6 % |

Shares are considered beneficially owned, for the purpose of this table only, if held by the person indicated as beneficial owner, or if such person, directly or indirectly, through any contract, arrangement, understanding,

(1) relationship or otherwise has or shares the power to vote, to direct the voting of and/or to dispose of or to direct the disposition of such security, or if the person has the right to acquire beneficial ownership within sixty (60) days, unless otherwise indicated in these footnotes.

Pursuant to the rules of the Securities and Exchange Commission, shares of Common Stock which an individual or group has a right to acquire within 60 days pursuant to the exercise of options or pursuant to the vesting of stock

(2) unit awards are deemed to be outstanding for the purpose of computing the percentage ownership of such individual or group, but with respect to options and stock unit awards, are not deemed outstanding for the purpose of computing the percentage ownership of any other person shown in this table.

(3) Based on the statement on Schedule 13G/A dated February 14, 2017, each of Renaissance Technologies, LLC, a registered investment adviser, and Renaissance Technologies Holding Company has sole voting power over 429,470 shares of common stock, sole dispositive power over 465,628 shares of Common Stock, and shared dispositive power over 34,362 shares of Common Stock.

(4) Based on the statement on Form 13F dated February 13, 2017, Moors & Cabot, Inc., a registered investment adviser, has sole voting and dispositive power over 419,281 shares of Common Stock.

Based on the statement on Schedule 13G/A dated January 24, 2017, Tieton Capital Management, a registered (5) investment adviser, has sole voting and dispositive power over 0 shares of common stock and shared voting and dispositive power over 304,793 shares of Common Stock.

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Includes the following number of shares of Common Stock which the individual had the right to receive within 60 (6) days pursuant to the vesting of stock unit awards: Mr. Kubacki 6,125; Mr. Weinert 3,450; Mr. Connick 3,900; Mr. Tomenson 1,750; Mr. Schaffer 1,450; and Mr. Dyke 3,400.

Includes the following number of shares of Common Stock which the individual had the right to acquire within 60 (7) days pursuant to the exercise of options: Mr. Kubacki 4,400; Mr. Weinert 10,900; Mr. Tomenson 6,500 and Mr. Allen 6,500.

(8) Includes 108,381 shares held by Mr. Weinert as trustee of a trust, 600 shares held by his spouse, and 125,545 shares pledged as collateral for a loan.

(9) Includes 21,725 shares which were issuable to the executive officers and directors within 60 days pursuant to the vesting of stock unit awards and 28,700 shares which the officers and directors had a right to acquire within 60 days pursuant to the exercise of options.

Section 16(a) Beneficial Ownership Reporting Compliance

Based solely on its review of copies of reports filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, as amended (the Exchange Act), or written representations from persons required to file such reports (Reporting Persons), the Company believes that except as described in the next sentence, all such filings required to be made by such Reporting Persons with respect to fiscal year 2016 were timely made in accordance with the requirements of the Exchange Act. On December 12, 2016, Fred J. Weinert, a director of the Company, filed a Form 4 to report five transactions after the dates specified therefor due to miscommunication from broker.

PROPOSAL 2

ADVISORY VOTE ON EXECUTIVE COMPENSATION

The Company is seeking the approval of its shareholders of an advisory resolution regarding the compensation of our named executive officers, as disclosed in this proxy statement under the section titled Executive Compensation. While this shareholder vote on executive compensation is only an advisory vote that is not binding on the Company or the Board of Directors, the Company values the opinions of its shareholders and will consider the outcome of the vote when making future compensation decisions. Last year 66% of the shares present at the meeting voted in favor of the resolution. Based on that vote and our engagement we have not taken any actions in response to that say-on-pay vote.

As described more fully in the Executive Compensation section, the primary objective of our executive compensation program is to attract, retain and reward executive officers who contribute to our long-term success. We believe this requires a competitive compensation structure as compared to companies of a similar size in the same or similar industries in the region. Additionally, we seek to align a significant portion of executive officer compensation to the achievement of specified Company performance goals. Incentive cash bonuses are included to drive executive performance by having pay at risk so that a significant portion of potential annual cash compensation is tied to earnings targets. We also include restricted stock awards and stock options with time-based vesting provisions that are designed to align executive incentives with long-term shareholder interests.

We urge shareholders to read the Executive Compensation section above, which describes in more detail how our executive compensation policies and procedures operate and are designed to achieve our compensation objectives, as well as the Summary Compensation Table and the related compensation tables and narrative above which provide detailed information on the compensation of our named executive officers.

The 2016 fiscal year demonstrated our commitment to these principles and illustrated how our program responds to business challenges and the marketplace.

Performance-based compensation in the form of annual and long term incentives constituted 32% of 2016 total compensation target for our CEO and other named executive officers.

Equity compensation awards, which comprised 100% of NEO long term compensation, continued to play an important role in rewarding NEOs for the achievement of long-term business objectives and providing incentives for the creation of stockholder value.

In 2016, the total compensation for the NEOs decreased by 2% from 2015.

The Company's commitment to these principles has long preceded the 2016 fiscal year.

Average annual increases in base salaries for the named executive officers over the past five years averaged less than 3% per year.

In 2009, the peak of the recession, the Company opted not to award any stock unit awards or any other form of equity compensation to any officer or director.

In 2010, the officers took what amounted to a 5% pay cut in base salary.

The Company has been profitable every year since 1993, including the recession year of 2009, and has paid a dividend every quarter over the last 20 years.

In keeping with current best practices, none of our named executive officers is subject to an employment agreement other than a change-in-control severance agreement, each of which is triggered only in the event of a double trigger a change of control combined with involuntary termination of employment. The Company offers minimal perquisites benefits, no guaranteed bonuses, no tax gross ups, four-year vesting for all executive equity awards and an independent compensation committee.

In light of the above, the Compensation Committee and the Board of Directors believe that the policies and procedures articulated in the Executive Compensation section above are effective in achieving our goals and that the compensation of our named executive officers reported in this proxy statement has supported and contributed to the Company's success.

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For the reasons discussed above, we are asking our stockholders to indicate their support for our NEO compensation as described in this proxy statement by voting **FOR** the following resolution. This vote is not intended to address any specific item of compensation, but rather the overall compensation of our NEOs and the philosophy, policies and practices described in this proxy statement.

RESOLVED, that the stockholders approve, on an advisory basis, the compensation of the named executive officers, as disclosed in Psychemedics Corporation's Proxy Statement for the 2017 Annual Meeting of Stockholders pursuant to the compensation disclosure rules of the Securities and Exchange Commission.

**Psychemedics Board of Directors recommends a vote
FOR the non-binding,
advisory proposal to approve the executive
compensation of our named
executive officers, as disclosed in this proxy
statement.**

PROPOSAL 3

RATIFICATION OF APPOINTMENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

The Company's Audit Committee has appointed BDO USA, LLP as the Company's independent registered public accounting firm for fiscal year 2017 and recommends ratification of such appointment by the stockholders. During the 2016 fiscal year, BDO USA, LLP served as Psychemedics' independent registered public accounting firm and also provided certain tax and non-audit services as described above. Although the Company is not required to seek stockholder approval of this appointment, the board believes it to be sound corporate governance to do so. If the appointment is not ratified, the Audit Committee will investigate the reasons for stockholder rejection and will reconsider the appointment.

Fees Paid to the Independent Registered Public Accounting Firm

The following table presents fees paid or payable to BDO USA, LLP for services attributable to fiscal years 2016 and 2015:

| | Fiscal Year | |
|-----------------------------------|-------------------|-------------------|
| | 2016 | 2015 |
| Audit Fees ⁽¹⁾ | \$ 268,715 | \$ 204,160 |
| Audit-Related Fees ⁽²⁾ | 14,150 | 14,150 |
| Tax Fees ⁽³⁾ | 31,750 | 44,813 |
| Total | \$ 314,615 | \$ 263,123 |

Audit Fees Fees for professional services rendered to the Company (or estimates of fees for services to be rendered) in connection with auditing the Company's annual financial statements and reviewing the interim (1) financial information included in the Company's Quarterly Reports on Form 10-Q, and consents and assistance with the review of documents filed with the Securities and Exchange Commission. 2016 also includes fees related to form S-8 filing.

Audit-Related Fees Fees billed to the Company or to the Company's employee retirement plan for services related to the audit of the Company's financial statements that are not reported under Audit Fees, which include audit work performed on certain of the Company's benefit plans. 2016 also includes additional fees for related to form S-8 filing.

Tax Fees Fees billed to the Company related to tax compliance and consultation. Includes additional services related to prior year R&D tax credits.

Representatives of BDO USA, LLP will be available at the Annual Meeting to respond to questions.

Psychemedics Board of Directors recommends a vote FOR the ratification of the Audit Committee's appointment of

**BDO USA, LLP as the
Company's Independent Registered Public Accounting
Firm.**

**STOCKHOLDER PROPOSALS AND NOMINATIONS
FOR DIRECTOR**

Stockholder proposals for inclusion in the Company's proxy materials for the 2018 Annual Meeting of Stockholders must comply with Rule 14a-8 of the Securities and Exchange Commission issued under the Securities Exchange Act of 1934, and must be received at the principal executive offices of the Company not later than November 30, 2017. These proposals must also meet the other requirements of the rules of the Securities and Exchange Commission and the Company's Bylaws.

Our By-laws require that any shareowner proposal, including director nominations, that is not submitted for inclusion in our proxy statement under Rule 14a-8 referred to above, but is instead sought to be presented directly at the 2018 annual meeting, must be received at our principal executive offices at 125 Nagog Park, Acton, Massachusetts 01720 not earlier than January 11, 2018 and not later than February 9, 2018 and must satisfy the procedures set forth in such By-laws. The matters proposed to be brought before the meeting also must be proper matters for stockholder action. If a stockholder who wishes to present such a proposal fails to notify the Company within this time frame, the proxies that management solicits for the meeting will have discretionary authority to vote on the stockholder's proposal if it is properly brought before the meeting. If a

stockholder makes a timely notification, the proxies may still exercise discretionary voting authority under circumstances consistent with the proxy rules of the Securities and Exchange Commission. The Company's B-laws can be downloaded from our website at www.psychemedics.com under Investor Relations and Governance Documents .

OTHER MATTERS

The Board of Directors knows of no other matters which may come before the Annual Meeting. However, if any matter not now known is presented at the Annual Meeting, it is the intention of the persons named in the accompanying form of proxy to vote said proxy, or any proxy that you may download from www.psychemedics.com/proxy, in accordance with their judgment on such matter.

The Company will bear the cost of solicitation of proxies. Solicitations of proxies by mail may be followed by telephone or other personal solicitation of certain stockholders by officers or other employees of the Company.

GENERAL INFORMATION

The Company's 2016 Annual Report is being mailed to shareholders with this Proxy Statement.

A copy of the Company's Annual Report on Form 10-K for the year ended December 31, 2016 may be obtained without charge by writing to the Company at Investor Relations, Psychemedics Corporation, 125 Nagog Park, Acton, Massachusetts 01720, or by viewing the Investor Information section of the Company's website at www.psychemedics.com.

By order of the Board of Directors,
PATRICK J. KINNEY, JR.,
Secretary

March 30, 2017

